

ELON



ACADEMIC CATALOG

1990-1991

ELON COLLEGE

1990-91


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Elon

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COMMUNICATIONS WITH ELON COLLEGE

This bulletin contains pertinent information about the College, its philosophy, programs, policies, regulations and course offerings. All students and prospective students are urged to read it carefully and completely.

Correspondence relating to official business should be addressed as follows:

President

- General Information

Provost and Senior Vice President

- Academic and student affairs policy
- Long-range plans

Vice President and Dean of Academic Affairs

- Academic program
- Academic work of students in college
- Faculty position
- Special programs

Dean of Admissions and Financial Planning

- Admissions
- Requests for applications, catalogs or bulletins
- Scholarships, student loans, and student employment

Dean of Student Affairs

- Housing
- Student Affairs

Vice President for Administrative Services

- Payment of student accounts
- Inquiries concerning expenses

Vice President for Development

- Public relations
- Contributions, gifts or bequests
- Estate planning

Director of Placement

- Career options for students
- Employment of seniors and alumni

Registrar

- Requests for transcripts
- Evaluation of transfer credits
- Student educational records

Director of Alumni and Parent Relations

- Alumni affairs
- Parent relations

Director of Academic Advising

- Course Scheduling
- Academic Counseling

CALENDAR

Fall Semester 1990

August 26 (Sunday)	Orientation
August 27 (Monday)	Orientation; Evening School Registration
August 28 (Tuesday)	Registration
August 29 (Wednesday)	Drop-Add Day; Evening Classes Begin (5:30 p.m. & later)
August 30 (Thursday)	Day Classes Begin
September 4 (Tuesday)	Last Day for Late Registration
October 18 (Thursday)	Last Day for Dropping Course with "WP"
October 19 (Friday)	Fall Break Begins at 1:15 p.m.; Mid-Semester Reports Due
October 24 (Wednesday)	Fall Break Ends at 8:00 a.m.
November 5 (Monday)	Last Day to Remove Incomplete ("I") & "NR" Grades
November 7 (Wednesday)	Preregistration Begins for Winter Term and Spring Semester 1991
November 21 (Wednesday)	Thanksgiving Holiday Begins at 1:15 p.m.
November 26 (Monday)	Thanksgiving Holiday Ends at 8:00 a.m.
December 4 (Tuesday)	Classes End
December 5 (Wednesday)	Reading Day
December 6-12 (Thurs-Wed)	Examinations

Winter Term 1991

January 2 (Wednesday)	Registration
January 4 (Friday)	Last Day for Late Registration
January 23 (Wednesday)	Examinations

Spring Semester 1991

January 29 (Tuesday)	Registration
January 30 (Wednesday)	Drop-Add Day; Evening Classes Begin (5:30 p.m. & later)
January 31 (Thursday)	Day Classes Begin
February 5 (Tuesday)	Last Day for Late Registration
March 21 (Thursday)	Last Day for Dropping Classes with "WP"
March 22 (Friday)	Mid-Semester Reports Due
April 1 (Monday)	Spring Vacation Begins at 1:15 p.m.
April 11 (Thursday)	Spring Vacation Ends at 8:00 a.m.
April 17 (Wednesday)	Last Day to Remove Incomplete ("I") & "NR" Grades
May 8 (Wednesday)	Preregistration Begins for Summer School and Fall Semester 1991
May 9-14 (Thurs-Tues)	Classes End
May 18 (Saturday)	Examinations
	Commencement; Last Day of School

Summer School 1991

First Term:	June 3-July 2
Second Term:	July 8-August 6



INTRODUCTION TO ELON

Elon College is a coeducational, residential, church-related college on a spacious campus near Burlington, North Carolina. The College derives its name from its location in what was an oak forest in the heart of Piedmont North Carolina. "Elon" is the Hebrew name for "oak," and the campus still abounds with these majestic trees.

Location. Fifteen miles west of Elon College, along Interstate 85, is the thriving city of Greensboro. To the east are the intellectual resources of the Research Triangle, internationally known for its scientific research in computer technology and other endeavors. Flanking the Research Triangle are Duke University at Durham, the University of North Carolina at Chapel Hill, and North Carolina State University at Raleigh. The Elon College community enjoys the lifestyle of a relatively small institution yet has the advantages of being centrally located to major institutional and urban resources in nearby areas.

Students. Elon College, founded by the Christian Church in 1889, is committed to the liberal arts as the best preparation students can have for rewarding, meaningful lives. From its initial enrollment of 108 students, Elon has grown steadily. Elon's 3,200 undergraduate and 150 graduate students come from 36 states and 16 foreign countries. Slightly more than half of the students are women, and the student body includes several racial and socio-economic groups. Elon College admits students of any race, color, sex, and national or ethnic origin without discrimination. This diversity enriches the life of the community and reflects the nature of American society itself. Elon challenges students to excel intellectually, to pursue self-fulfillment, and to learn the meaning of service to others.

Faculty. Working with the Elon students are a dedicated staff and an outstanding faculty—seventy percent of whom hold doctorates—whose primary concern is teaching. They have been chosen because of their academic preparation, individual initiative, and commitment to excellence in teaching. Many of Elon's faculty have expressed their satisfaction with the College through long years of service. Elon purposely remains small enough that the relationship between faculty and students is friendly, informal and lasting.

Programs. The academic program is designed to develop in each student a mature proficiency in the use of the English language, an awareness of history and an appreciation of cultural, social and scientific achievements. The upper level courses provide opportunities for concentration in areas of special interest and in professional and career-oriented branches of learning. To meet such individual needs, the academic program includes such features as independent study, study abroad opportunities, internships and cooperative education.

Complementing the classroom at Elon College is a broad range of activities and student life programs designed to enable students to find their personal identities, refine their social skills, broaden their perspectives, and create lifetime friendships.

Academic Calendar

The College's academic year is divided into a 4-1-4 calendar. The fall semester is a four-month term, ending prior to Christmas holidays, followed by a one-month winter term and a four-month spring semester. During the one-month term opportunities are offered for travel, study abroad, internships and service programs in addition to specialized courses on campus. Evening classes and a summer school of two terms of four weeks each are offered on a regular basis.

The calendar is designed to meet the needs of the following persons: (1) full-time students who plan to complete degree requirements within four years, (2) part-time students, (3) high school seniors who wish to take one or two college-level courses, and (4) members of the community who desire further educational work in day or evening classes.

Summer school serves the above purposes, in addition to providing an opportunity for new students or students enrolled in other colleges to accelerate completion of degree requirements.

History

To provide a quality undergraduate education has been the mission of Elon College since its founding by the Christian Church in 1889. Two schools were forerunners of Elon College: The Graham College, established in 1851 in Graham, North Carolina; and the Suffolk Collegiate Institute, established in 1872 in Suffolk, Virginia. The Southern Christian Convention, now a part of the United Church of Christ, voted in 1888 to establish Elon College.

The site of the new college was known as Mill Point, located four miles west of Burlington, North Carolina. In its early years Elon endured many tribulations. The student body was severely reduced during World War I, and a major fire in 1923 destroyed most of the campus buildings. Within three years a new campus arose from the ashes. The five central buildings, including Alamance, were built at this time. The great depression and World War II created many problems for the College.

The decades following the Second World War were years of physical growth and academic development. New buildings went up as enrollment increased, and the College expanded beyond its brick walls. Students from half of the states in the Union, as well as foreign countries, gave the College a regional complexion. In fall 1984 the College began offering a master of business administration degree and in fall 1986 a master of education degree. Elon's seven presidents have provided the leadership essential for progress.

Historically the College has played a significant role in teacher education. A program of instruction and experiences designed to prepare teachers continues to be a major objective of the College.

Although there have been many changes through the years, Elon remains church-related rather than church-controlled. It has held in high esteem its commitment to general Christian principles and values as an appropriate foundation for the development of human personality and social order.

The Mission of Elon College

Elon College offers men and women a liberal arts education to enrich them as human beings, and it offers programs in career-oriented fields to prepare them for specialized work. All of the programs at Elon are periodically evaluated by accrediting agencies to insure that appropriate standards of quality are maintained. Students are provided opportunities to develop those skills and sensitivities which encourage a reflective approach to both life and professional career.

In addition, Elon College senses a special responsibility to the community in which it is located. Thus, it provides to citizens of the area opportunities for cultural and educational renewal in a setting where religious and human values are respected.

In accordance with the provisions of the charter, it is the aim of Elon College to give all students the opportunity to acquire:

1. A philosophy of life which is founded upon and motivated by the beliefs and spiritual values of the historic Christian Church, and which will be reflected throughout life in terms of a sense of personal integrity, high ethical standards, wholesome attitudes, and significant religious insights and devotion.
2. An understanding of their responsibilities and rights as citizens in a democratic culture, and a recognition of the intrinsic worth of all individuals.
3. An intelligent awareness of world cultures, conditions, events, and issues.
4. A love of learning sufficient to promote continued intellectual and cultural growth which comes out of sharing in an invigorating intellectual and cultural climate during their college careers.
5. A basic knowledge in the humanities, natural sciences, and social sciences, and an appreciation of the mutual relationships existing among these areas.
6. An understanding of the content and an achievement of competence in the procedures of at least one field of knowledge as preparation sufficient for graduate or professional study.
7. The ability to think critically, logically, and creatively, and to communicate effectively by means of the written and spoken language.
8. A sensitivity to aesthetic values through experience and study in the fine arts, and through opportunity to develop competence and excellence in the performing arts.
9. A knowledge of the principles of health and physical fitness, and skills useful for participation in wholesome recreational activities.
10. A recognition of their own abilities and aptitudes through counseling and guidance in the choice of an appropriate vocation.

Accreditation

Elon College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award bachelor's and master's degrees.

The College is a member of the following associations:

The American Council of Education

The Association of American Colleges

The American Association of University Women

The North Carolina Association of Colleges and Universities

The North Carolina Association of Independent Colleges and Universities

Independent College Fund of North Carolina

The Council for Higher Education of the United Church of Christ

National Commission on Accrediting

The American Assembly of Collegiate Schools of Business

The Association of Collegiate Business Schools and Programs

Campus and Buildings

The Elon campus is beautiful, spacious, and rich in stalwart oak trees. It is designed and equipped to serve its living and learning community. Extensive building and improvement projects have been completed in recent years, including six fraternity/sorority houses on north campus in 1989, six apartment complexes on east campus in 1989, a new fine arts center in 1987, four residence halls in 1982 and 1984, and a new fountain, plaza area in 1982. Buildings housing the classrooms and laboratories have been extensively renovated, and new equipment and furniture have been provided. The McEwen Dining Hall, William S. Long Center, Iris Holt McEwen Library, Harper Center, and twelve residence halls have been constructed since 1956. Completed in 1970 were an office-classroom building and a physical education facility, which includes an indoor swimming pool. The present living and dining facilities serve a resident student body of approximately 2,100.

Alamance Building houses administrative offices and classrooms. Citizens of Alamance County contributed the money to build this structure after the old administration building was destroyed by fire in 1923. The Alamance Building was extensively renovated in 1981. The area in front of Alamance Building is known as Scott Plaza and is the gift of former State Senator Ralph H. Scott, a member of the Elon College Board of Trustees, in memory of his wife, Hazeleene Tate Scott. In the center of the plaza is Fonville Fountain, a gift of Rudy M. and Frances (Turner) Fonville '28. The fountain and plaza were completed in 1982.

The Alumni Memorial Gymnasium was built in 1949 by former students as a memorial to Elon alumni who lost their lives in two World Wars. It seats 4,500 for basketball games. The 25,000 square feet of floor space houses offices, classrooms, dressing and shower rooms for both men and women, and a playing floor area large enough for three intramural basketball games to be played at the same time.

The Athletic Field consists of 50 acres of practice and playing fields, situated around the campus. There is adequate space for all sports.

Bakatsias Soccer Field, provided in 1984 by George, Terry and Johnny Bakatsias in honor of their parents, is one of the finest soccer facilities in the area.

John W. Barney Hall houses 54 students. This three-story brick building was named in memory of John W. Barney, who was a member of the Elon College faculty for 33 years.

Ned F. Brannock Hall, housing 48 students, is a three-story brick structure named in memory of Dr. Ned F. Brannock, a member of the Elon College faculty for more than 50 years.

Carlton Building was the gift of three trustees of the College, P.J. Carlton, H.A. Carlton and L.E. Carlton, and their sister, Mrs. J. Dolph Long. This structure houses classrooms, faculty offices, publication facilities, and the Academic Computer Center.

Carolina Hall, erected in 1956, houses 126 students. Congregational Christian Churches in North Carolina pledged the funds for this three-story brick building.

Chandler Hall is a residence hall housing 92 students. It was constructed in 1982 in honor of Wallace L. Chandler, a member of the class of 1949, a trustee of Elon College and senior vice president of Universal Leaf Tobacco Company, Inc., of Richmond, Virginia.

Colclough Hall is a residence hall designed to house either men or women. Constructed in 1982, it has a capacity of 96 persons. It was named in memory of George D. Colclough, a member of the class of 1926, through a gift by Royall H. Spence Jr., a member of the class of 1942, and his wife, Luvene Holmes Spence, a member of the class of 1943. Mr. Spence is a trustee of Elon College and president of Canada Dry Bottling Company of Greensboro, Inc. Mr. Colclough was a trustee of Elon College and a well-known business leader in Burlington.

Duke Science Building has modern scientific equipment and laboratory apparatus. It houses the Departments of Physics, Biology and Chemistry. In memory of their mother, Mrs. Artelia Roney Duke, J.B. Duke and B.N. Duke contributed to the cost of erecting this building. Classroom and laboratory space underwent extensive renovation in 1988.

East Building was acquired by the College in 1978. It is used for maintenance storage and central receiving. It also houses offices of the director of physical plant, executive housekeeper, and director of mail services. A gymnasium and dance studio complete the facility.

East Campus Apartments, completed in 1989, consist of six buildings each housing thirty-two students. Reserved for upper classmen, the facility offers an alternative to traditional residence hall accommodations.

The R. N. Ellington Health Center provides health services for students and includes multiple examination rooms and offices for the professional staff.

The Fine Arts Center, was opened for the 1987-88 academic year. In addition to classroom and office facilities for the art, music, drama, communications and dance programs, the \$8 million facility features a 600-seat theater and a 125-seat recital hall.

Fraternities and Sororities are housed in several residences owned by the College, in residence hall suites, and in a fraternity/sorority court of six buildings completed in 1989.

Holland House is the former residence of the College president. Constructed in 1963, it is located at 301 East Haggard Avenue. It was named in memory of Shirley T. Holland, a long-time College trustee, by Mrs. Holland and their sons. The facility currently houses administrative offices.

A.L. Hook Hall, housing 40 students, was named for Dr. A.L. Hook, who was a member of the Elon College faculty for more than 50 years. Built in 1966, it is a three-story brick residence hall.

The B. Everett Jordan Gymnasium, named in honor of the late Senator B. Everett Jordan and completed in 1970, contains the Vance Beck swimming pool, physical education teaching gymnasium, human performance laboratory, handball court, weight training room and offices and classrooms.

The Jordan Complex is named in honor of John M. Jordan, Alamance County businessman. Built in 1980 and 1984, the complex houses 272 men and women students in two-room suites. The complex also contains a commons building with study, lounge and laundry facilities.

The John Koury Field House was constructed in 1980 through the generosity of Ernest and Maurice Koury in memory of their father. The building provides dressing facilities for Elon's football and baseball teams as well as a modern training room, laundry and coaches' dressing room.

LaRose Resources Center was named in honor of Mr. and Mrs. Edgar H. LaRose and Mr. and Mrs. Robert E. Hettel, parents of Elon Trustee Robert E. LaRose and his wife, Gail Hettel LaRose. Located in Mooney Building, the center provides instructional support to faculty, tutorial services to students and provides audiovisual and computer equipment, as well as cable and satellite TV services.

Lawrence House, a turn-of-the-century mansion, was built by Walter P. Lawrence, first dean of the college and a member of the N.C. General Assembly. The facility was purchased by the college in 1984 and has undergone extensive renovations.

The Lodge was acquired by the College in 1984. Located one mile from the campus, the twenty-five acre tract has a large lodge, picnic shelter, conference facilities and recreation areas.

William S. Long Student Center, constructed in 1966, houses the campus shop, the Varsity Grille, lounges, meeting rooms, student government offices, a listening room, a photography lab, and game room. The building was named in memory of William S. Long, first president of the College.

Maynard Hall is a residence hall for 131 students. Constructed in 1982, it was named in honor of Reid and Grace Maynard. Mr. Maynard was a trustee of Elon College and chairman of the board of Tower Hosiery Mills, Burlington.

Maynard House is the residence of the College president. It is located a short distance from campus. The home was bequeathed to the College through the estate of Reid and Grace Maynard in 1988.

McEwen Memorial Dining Hall, completed in 1956, was built as a memorial to James H. McEwen, long an industrial and civic leader in Burlington. The first floor accommodates more than 400 students in a modern and attractive cafeteria and also contains a smaller dining room for special luncheon meetings. On the second floor is an additional dining hall/banquet room large enough to accommodate 450 persons.

Iris Holt McEwen Library, completed in the summer of 1968, is fully air conditioned and carpeted. Open stacks contain a well-rounded collection of more than 160,000 volumes. Approximately 10,000 government documents have been added to the collection since the library became a government depository in 1971.

The Spence Collection, which was the former Stratford College Library, was given to the College in 1975 in honor of Royall H. Spence, Sr., by Mrs. Spence and their children, Mary Spence Boxley, Dolly Spence Dowdy and Royall H. Spence, Jr. McEwen Library ranks as the fourth largest among private colleges and universities in North Carolina.

Mooney Building was given to Elon by M. Orban, Jr., in memory of his father-in-law, the Reverend Issac Mooney. This building houses faculty offices, classrooms, the LaRose Resources Center, computer labs and the Curriculum Resources Center.

Lake Mary Nell, a five-acre lake near the center of campus, was named in honor of Mary Nell Jennings, daughter of Elon College Trustee Maurice Jennings and Patricia Jennings.

Newsome Field is a modern baseball stadium donated in 1977 by Webb Newsome, a member of the class of '37, and his wife, Jessie Cobb Newsome, class of '36. A member of the Elon College Sports Hall of Fame, Webb Newsome was outstanding in baseball, football and boxing while at Elon.

North Hall, located near the Harper Center, houses men students.

The Caroline Powell Building, named in honor of Miss Caroline Powell, was completed in 1970. It contains classrooms, faculty offices, and administrative offices.

The Jimmy Powell Tennis Center, a 12-court, championship tennis complex, was built in 1988 and is one of the finest small-college tennis complexes in the nation.

Power Plant provides heat for the entire College.

Rudd Field, a multipurpose athletic field named for Clyde Rudd Sr., class of '37, is used for football, softball and intramural activities.

Sloan Hall, a three-story brick structure housing 129 students, was named in honor of Dr. W. W. Sloan and Bessie Pickett Sloan, members of the Elon College faculty for 25 years.

Leon Edgar Smith Hall is a three-story brick residence hall erected in 1957 to house 126 students. The building was named for Dr. L. E. Smith, former President of the College.

Staley Hall, *Moffitt Hall*, *Harper Center* and *Harden Dining Hall* were completed in 1968. Staley Hall houses 200 students and Moffitt Hall 100 students. The two residence halls are joined by Harper Center, which contains a lounge, the College radio station, a recreation area, The Back Door (a non-alcoholic pub), and Harden Dining Hall. These buildings were named in memory of Dr. W. W. Staley, Dr. E. L. Moffitt, and Dr. W. A. Harper, three past presidents of Elon College, and are located north of the main campus, beyond the gymnasium.

Virginia Hall, a three-story modern brick structure erected in 1956, houses 129 students. Congregational Christian Churches in Virginia pledged the money to pay for this residence hall.

West Hall is a three-story brick structure adjacent to the Carlton Building. The first floor contains student rooms, a staff apartment, the security office, and a large lounge. Eighty-one students are housed on the second and third floors.

Whitley Memorial Auditorium has a seating capacity of approximately 500. Faculty and administrative offices are located in the rear of this building.

Names associated with Elon College buildings, rooms, and other facilities are a way of recognizing outstanding service to the institution. Facilities are usually recognized with a brass plaque giving the date, the name of the facility, and in some cases, the donor of the facility. As buildings and other facilities become obsolete or the needs of the college change, the brass plaques are added to the college archives, preserving in perpetuity the memory of those honored.

Visitor Information

Visitors to the College are welcome at all times. The administrative offices are open Monday through Friday from 8:00 a.m. until 5:00 p.m. The admissions office is also open Saturday from 9:00 a.m. until noon. Administrative officers and members of the faculty are available at other times by appointment made in advance.

Travel Information

Elon College is in the town of Elon College, N.C., a community adjacent to Burlington, 15 miles east of Greensboro, and 64 miles west of Raleigh. It is accessible to airline services in Greensboro. The telegraph address is Burlington and the College is served by the Burlington telephone exchange. The number is (919) 584-9711.

ACADEMIC PROGRAM

The academic program at Elon College is designed to prepare qualified students to enter graduate and professional schools or to go directly into such fields as business, teaching, public service and allied health. The Bachelor's degree consists of a major field of concentration in the liberal arts or in a professional or preprofessional area, a general studies program, and elective courses.

Degrees and Major Fields of Concentration

Courses are offered leading to the graduate degrees of Master of Business Administration and Master of Education and the undergraduate degrees of Bachelor of Arts and Bachelor of Science.

The Master of Business Administration program requires 36 semester hours of graduate credit. Students are encouraged to apply regardless of undergraduate major. *The Master of Education* program requires 30 semester hours of graduate credit in Elementary Grades or Middle Grades.

The Bachelor of Arts degree is awarded in the following fields: Biology, Chemistry, Communications (Broadcast and Corporate), Computer Science, Economics, Education (Elementary; Middle Grades; Secondary—various subject areas), English, Foreign Languages, General Music, History, Human Services, Journalism, Mathematics, Music, Philosophy, Physics, Political Science, Psychology, Public Administration, Religion, Science Education, Social Science and Sociology.

The Bachelor of Science degree is awarded in the following fields: Accounting, Business Administration (Management, Finance and Marketing), Chemistry, Computer Information Systems, Medical Technology, Music Education, Physical Education, Health Education and Leisure/Sports Management.

Minor Fields of Concentration

Candidates for the bachelor's degree may elect a minor concentration consisting of at least 18 semester hours.

The following minor fields are available: Accounting, Studio Art, Biology, Business Administration, Chemistry, Computer Science, Computer Information Systems, Dance, Economics, English, French, Geography, History, American History, European History, Human Services, Journalism/Communications, Mathematics, Music, Philosophy, Physical Education, Physical Education (Coaching, Sports Medicine), Physics, Political Science, Psychology, Public Administration, Religion, Sociology, Spanish, Theatre Arts, and Women's Studies.

General Studies

The purpose of General Studies at Elon College is to provide students the opportunity to acquire the skills, the experiences and the knowledge needed to obtain the broad philosophical, aesthetic, historical and scientific bases for understanding and evaluating human experience. As means to that end,

the College offers all students a broad range of experience in four areas:

First, the Foundational Studies area helps the student develop the ability (1) to think clearly and critically, (2) to write clear, correct English prose, and (3) to use methods of computation and to understand quantitative relationships and mathematical systems.

Second, Liberal Studies acknowledges that an important goal of an undergraduate education is adaptability, since the future will include not only evident problems but the unforeseen. The five sub-areas in Liberal Studies (expression, science, reflection, civilization, society) reflect a broad and diversified curriculum designed to prepare students for a future of continual growth.

Third, courses offered for Advanced Studies, particularly those courses offered as general studies seminars, involve more than one perspective and frequently more than one discipline.

Fourth, Physical Education is designed to promote life-long fitness.

General Studies are by nature cumulative and developmental. Thus the Elon College student will deal with these issues throughout his college years from initial enrollment to graduation.

The Martha and Spencer Love School of Business

The Love School of Business was established in 1985 as an outgrowth of an endowment gift to Elon College from the Martha and Spencer Love Foundation. The Business School is a junior/senior level and graduate school which offers undergraduates majors in accounting and business administration (concentrations in management, marketing and finance), and a graduate degree in business administration (M.B.A.).

The Love School of Business builds upon the liberal arts tradition of Elon College in providing undergraduate and graduate students the educational opportunities that will prepare them for both business careers and civic leadership.

Specific requirements for Love School programs in Business Administration and Accounting can be found under the Courses of Instruction.

Independent Study and Research

An integral part of the educational program at Elon College is the opportunity to do independent study and research. In independent study courses, with the assistance of faculty members, students develop goals and learning activities. Students sometimes engage in off-campus independent study and research.

Career Services

The following Career Services Programs are available to help students plan their futures, explore careers, and become adept at finding employment:

Career Planning

The Director of Career Planning, through personal counseling and assess-

ment, assists students with their choice of a college major and career. Resources include a one-credit class (COE 110) to assist students in selecting a major; the LifeSkills Transcript Program that encourages and documents leadership development; and graduate school application materials.

Experiential Education (Internships or Co-ops)

Elon College strongly supports programs which allow students to relate their classroom learning to work experience. Active cooperative education and internship programs provide opportunities throughout the academic year and during summers for students to explore careers, to integrate theory with practice, and to examine future job possibilities. In each learning experience, the student's academic or career related work assignment is supervised and evaluated by Elon faculty. Internships are directly related to majors or minors, may be full or part time, and paid or unpaid. Most departments offer internship credits. Co-ops offer pay, may be full or part time, may be repeated, and count toward elective credit. The class, COE 310 "Securing A Job," is required of co-op students.

Eligibility Requirements: Junior or Senior standing
2.5 minimum grade point average (GPA)
Completion of departmental prerequisites
Approval of Faculty Sponsor/Exp. Ed. Dir.

Placement Services

Placement Services assist students who have identified their career direction and who are finalizing their career search. Services for upperclass and graduate students include classes in job search skills (COE 310 "Securing A Job"), resume referral to employers, on-campus interviews, individual counseling, job vacancy lists, a credentials file with options for inclusion of academic and LifeSkills transcripts, and workshops on resume writing, job interviewing, and other special career topics. Additional resources and programs include occupational and employer information, career fairs, and an alumni career resource bank.

Professional Programs

Elon College offers professional programs in Accounting, Business Administration, Education, Music, Journalism, Communications, Human Services, Public Administration, Computer Science, Computer Information Systems and Medical Technology. Graduates of these programs are prepared to enter beginning-level professional positions. Graduates who are qualified to do so may wish to continue their studies in graduate school.

Preprofessional Programs

Elon College offers programs which prepare students for professional studies in such fields as medicine, dentistry, law, engineering and theology. In addition, Elon prepares students to enter any professional program, either

at the graduate or undergraduate level, that is based on a liberal arts education.

Pre-engineering

Students who wish to pursue an engineering degree must transfer from Elon College to an engineering school. While there is the potential for a qualified student to transfer to any engineering school, Elon College has a pre-engineering program that has been approved by the Subcommittee on Engineering Transfer for transfer to the engineering programs at North Carolina A&T State University, North Carolina State University, and the University of North Carolina at Charlotte. Qualified students completing Elon's program are given preferential consideration for transfer to any of these engineering schools.

Prelaw

According to the Association of Law Schools, there are two objectives of undergraduate education for law students: first, the student should learn to reason logically; second, the student should learn to express thoughts clearly and concisely both orally and in writing. A number of majors at Elon provide backgrounds for admission to law school.

Premedical and Predental

Medical and dental schools desire students who have demonstrated academic excellence in science fields combined with the broad base supplied by the liberal arts. Students interested in medical or dental school are encouraged to major in Biology or Chemistry. Those interested in a career in veterinary medicine, optometry and other health professions generally complete the same courses as premedical and predental students.

Preministerial (Any Full-time Christian Vocation)

The educational program at Elon College provides opportunities for students who wish to prepare for the various aspects of Christian ministry. Although no particular major is required, there are many courses and other educational/service experiences that permit students to explore their interest in and fitness for religious vocations. In general, for church-related vocations students should expect to major in Religion or any of the Liberal Arts areas.

All Preprofessional Majors

Students entering any preprofessional program should plan carefully, using the catalog of the professional school they wish to enter as a specific guide to choosing courses at Elon College. The Academic Advising Center staff is available to assist students in this planning.

Special Academic Programs

Elon College offers various programs for those people with special needs and qualifications.

Honors Program

The Honors program assists academically superior students who want to attain greater breadth and depth in the General Education part of their studies. Most students are selected to enter the program as freshmen, but one can apply for admission as a continuing student. Honors students are provided with special courses taught by innovative faculty. Class size is generally limited to twenty. Since the program is college-wide in scope, most Honors courses will be taken in disciplines differing from one's major. Recent changes give increased emphasis to discovering one's values, to developing critical thinking skills, to enhancing communication abilities, to pursuing current issues and to understanding the interrelatedness of the varied academic disciplines.

Besides the curriculum described below, other features of the program include early pre-registration privileges, off-campus retreats, Honors housing arrangements, and opportunities to interact with guest lecturers, performers and artists. Honors graduates often pursue further study or graduate training.

To receive Honors Program recognition at graduation a student must complete a minimum of six Honors experiences as listed below, and achieve a 3.00 grade point average overall and in all Honors courses taken.

The Freshman Year

The following two experiences are required:

Honors I — Appreciative Understanding: Claiming One's Heritage

This experience will focus on clarifying one's values and understanding them in light of alternatives.

Honors II — Critical Assessment: Acting in the Institutional World

This experience will focus on critically appraising values which are expressed in persuasive action.

The Middle Years

A student must take a minimum of two experiences out of Category I. Also, an elective is required out of Category I, II, or III. It is highly desirable for the elective to come from Category II.

- I. A. Contemporary issues courses — Focus will be on how resources from different areas can effect social change.
- B. Interdisciplinary courses — Methodology will emphasize interconnections between different fields or disciplines of study.
- II. Alternative experiences.
 - A. An academic experience in a different country fall or spring semester.
 - B. An academic experience involving work in the form of

service to others.

- C. An academic experience where one assumes leadership. This may be accomplished through an internship or an apprenticeship which has a mentoring dimension.

III. Honors elective courses.

The Senior Year

A research experience is required which culminates in the presentation of a semester paper or project.

Highly qualified non-freshmen who are admitted to the Honors program must accumulate six experiences out of middle and senior year courses.

Transitional Program

Assists students in understanding the basic concepts of reading, mathematics and communication skills.

Gives small group instruction.

Offers individual assistance by tutors and self-paced programs through the LaRose Resources Center.

Writing Program

Elon College has both a campus Writing Program and a Writing Center. The program and the center work concurrently to support and enhance student writing at all levels and in all areas of the College's academic program.

Elon 101

Elon 101 is a specially designed course/program that introduces first semester students to college life. The course is taught by the student's academic advisor and is generally limited in size to fifteen. The course meets weekly during the first semester and grants 1 semester hour of general college credit.

High School Credit Bank Program

Makes it possible for the student to have earned college credit prior to college entrance through completion of two Elon summer sessions of two courses each and two courses at Elon during each semester of the high school senior year.

Military

ROTC

Offers military science program leading to commission in U.S. Army upon graduation.

Offers built-in financial assistance and special scholarship programs.

Credit for Veterans

Offers military personnel on active duty opportunity to submit CLEP credit by contacting their Education Officers or USAFI in Madison, Wisconsin, for testing.

Transfers work completed at other accredited post-secondary institutions.
Accepts service experience for physical education requirements.

Leadership Program

The Leadership Program provides students with opportunities to study and practice leadership. Participants will enroll in leadership courses, will lead off campus service projects through the Volunteer Program, will actively lead on campus through campus organizations and mentoring experiences, and will have the opportunity to participate in studies abroad and internship programs. The program strives to foster leadership for students during the college years that can be extended to the future workplace and living community.

LifeSkills Transcript Program

The LifeSkills Program provides a co-curricular transcript for enhancing job and graduate school opportunities. This transcript documents activities in clubs, community service, leadership, co-ops, internships, international study/travel, and other experiences during the College career.

North Carolina Teaching Fellows Program

Elon College is one of only two private colleges selected by the North Carolina Teaching Fellows Commission to offer a Teaching Fellows program, and one of only thirteen institutions throughout the state. The Teaching Fellows experience takes place in the context of Elon's highly successful teacher education program. Students interested in the teaching profession apply to the North Carolina Teaching Fellows Commission and are awarded grants through a selective interview process. The Teaching Fellows experience at Elon is a four-year program including:

1. Specially designed leadership courses
2. Internships
3. Study/travel to major U.S. metropolitan areas
4. A semester of study in London
5. Special field trip, lecture series
6. Capstone seminar examining local, state and national issues and their effect on education
7. Development of LifeSkills Transcript

Study Abroad

Study abroad programs are scheduled to enhance the academic program and to give students an opportunity to learn first hand from other countries and cultures. The college offers a variety of such opportunities.

Students may elect to spend a semester, either fall or spring, in London. Choosing from a broad range of courses, most of which are taught by British faculty, both General Studies and major requirements can be met. Through internships and field research projects, students experience many dimensions of British culture. Students have access to the University of London's library and student union facilities. Fall and spring breaks permit extensive European travel.

During the winter term the College offers a study-travel opportunity to England. This program allows students to spend approximately a month housed in London but with numerous excursions to historical and cultural sites in Great Britain. The College also offers other study-travel programs the site of which may vary from year to year. Most recently, students have participated in a work project in Mexico. Others have spent the Winter Term in Costa Rica studying the language as well as the political/cultural environment and in Hawaii with a course focused on the Polynesian culture and the flora and fauna of the region. All programs offer a wide range of course credit.

Summer terms provide still other study abroad possibilities. The College offers language study in Spain through the University of Salamanca and a study-tour through Russia. Summer programs are scheduled to allow the student maximum free time in the remainder of the summer or the opportunity to attend an additional session of summer school.

Academic Support Services

Elon College seeks to meet the individual academic needs of the students who enroll. In order to accomplish this the College places emphasis on a variety of academic support services.

Academic Advising Center

Students are assigned faculty advisors before they enter Elon College. An important part of the Academic Advising Center's service is the providing of selected faculty advisors for Pre-Majors, students who have not yet decided upon their major field of study. At some time during the freshman year or the sophomore year, students choose majors and are assigned faculty advisors within their major departments or programs. Special advising assistance is available for students in preprofessional programs such as pre-law, pre-med and pre-engineering.

Closely associated with the Academic Advising Center is the Career Planning service. Through testing programs, an extensive careers library, and personal counseling, the student is encouraged to explore career opportunities. Efforts are made to correlate college academic course work with the student's career objective.

LaRose Resources Center

Located in Mooney Building, the LaRose Resources Center is designed to meet the learning needs of a wide variety of students. Services provided

include tutorial assistance for most academic areas, computer-assisted instruction, microcomputer stations, study-carrels for group study, video-taping equipment and viewing room, a television production studio, and an extensive variety of audio-visual equipment.

Library

The McEwen Library contains a well-rounded collection of more than 160,000 volumes and other resources including multiple reading areas, seating space for 580, an art exhibit area, 276 private study spaces, an historical documents room, and audio-visual equipment. The Library is a modern facility designed to provide a pleasant environment for study and research.

Computer Facilities

Elon College Academic Computing has a VAX 8350 and three Novell networks. The computer labs have over one hundred microcomputer workstations connected to both the VAX and the Novell networks. MacIntoshes and an Apple lab are also available to all students.

STUDENT LIFE

Elon is committed to the education of the whole person. Opportunities for that education are provided to students in many ways.

Student life is more than classrooms, laboratories, study desks and libraries. Experiences in the residence halls, campus organizations, Greek organizations, Student Government, the Student Center, spontaneous social groups, and on intramural teams are critically important in the student's total development.

With the many opportunities the College makes available throughout the year, the student can develop important insights about genuine communication, self-government, liberty, trust, honor and critical judgment. Programs designed by well-qualified faculty, staff and students provide—in the residence halls, on the playing fields, at the controls of the FM radio station, at Student Senate meetings, and in the classroom—opportunities for the student to develop a meaningful concept, a sense of career, a philosophy of life, and sound ethical and moral principles.

Students are encouraged to participate in those co-curricular and extra-curricular activities that interest them or are complementary to their academic programs.

Student Personnel Service

Personal Counseling. Counselors are available twenty-four hours a day and are responsible for providing help to Elon students. In each campus area there is an Area Director. In addition, within each residence hall there is a staff of Resident Assistants. Supporting the residence hall staffs are personnel associated with the Office of Student Affairs.

Identifying and addressing problems at an early stage offers a greater likelihood that genuine help can be given. Therefore, students are urged to make their needs known to any person or persons associated with the counseling staff. Support groups, composed of students concerned about the same issues, are available for those interested.

Health Service. The College maintains a Health Service, which is open during regular hours each class day. The medical fee, which is included in the general fee, covers all routine health and nursing services, and treatment by the College Physician. This fee does not cover cases in which a physician other than a College Physician is called, emergency treatment at a local hospital or laboratory tests conducted off campus.

All students must present evidence that they are covered by health insurance. An opportunity to purchase a health insurance policy is provided to all full-time students.

Campus Living. Residence halls are modern and attractive. Each room is furnished with beds, bureaus, desks, and chairs. The student brings pillow, pillowcase, sheets, blankets, bedspreads, towels and such other articles as a wastebasket, rugs, and lamps. Residence halls open 2:00 p.m. the day before registration each semester. They are closed during Thanksgiving, Christmas, spring, and summer vacations. Rooms will be vacated and

residence halls locked no later than 12 noon on the day following the last night of exams. Provided on-campus housing space is available, all students are required to room in the residence halls unless they are living with their parents, relatives, or spouse. The College assists students in finding off-campus housing, but it cannot serve as an intermediary in any way between the student and his landlord.

Students have access to laundry facilities on campus.

Meals are served in the College dining halls, which are opened for the evening meal before the first day of registration and closed after the noon meal on the last day of final examinations. For vacation periods, college dining halls are closed after the noon meal of the last day of classes and opened with the evening meal the day before classes are resumed.

Commuter Students. Programs designed to meet the particular needs of commuter students are offered through the Office of Campus Activities.

New Student Orientation

New Student Orientation is held immediately prior to the opening of the Fall Semester. All entering students are expected to participate in the program which is designed to assist in preparing for the beginning of the College experience. Orientation features the use of small group activities as well as academic advising, testing, registration, lectures, and social activities.

The Student Center

Social activities at the College are largely planned and coordinated by the Student Union Board which is advised by the Director of Student Activities. An extensive program of social, recreational, club, and special interest activities is carried out during the year. Among these are movies, trips and expeditions, special theme parties, concerts, comedians, special events, and other social activities.

Student Government

Representing the interests of the Elon student body is the Student Government Association (SGA). It enjoys the full support and cooperation of the faculty and staff of the College. Projects and proposals dealing with social, cultural, and academic life are promoted by the SGA President and the Student Senate.

In addition, the Residence Hall Association, designed to provide self-determination in each residence area, carries out important student government functions. Finally, students play a direct role in academic and social policy-making through voting membership on numerous College committees.

Judicial System

This system is a code of student living under which it is assumed that all students will conduct themselves as ladies and gentlemen. It is intended to be both one of justice and of education for students.

Religious Life

Responsibility for College Religious Life rests with the Chaplain, who coordinates all on-campus religious programs. Voluntary religious services are held during the academic year. The Elon College Community Church, located just off the campus, is affiliated with the United Church of Christ and is open to all students for worship. Many denominations are represented on campus in the form of student organizations. Most denominations have churches within a few miles of the campus. Groups meet regularly for Bible study, group discussions, service projects such as the CROP walk and fast, and social activities.

Community Service

Students have the opportunity to participate in numerous service/learning opportunities. "Elon Volunteers!" is a student-run program housed in the Chaplain's Office that is a clearinghouse and referral service for students who want to work with community agencies like the homeless shelter, the adult literacy campaign, Meals on Wheels, or with Elon College's campus chapter of Habitat for Humanity.

Cultural Life

Each year a variety of programs is offered for the cultural and intellectual enrichment of campus life.

The Lyceum Series brings outstanding artists and performers to the campus during the year.

The Liberal Arts Forum and Student Union Board, sponsored by the Student Government Association, schedule a number of lectures.

A number of distinguished scholars in various fields are invited to the campus each year to provide lectures and seminars for the enrichment of the academic program.

There are also recitals in the Fine Arts Center presented by members of the Fine Arts Department faculty and advanced students in music. Several band and orchestra concerts are scheduled. Each year before the beginning of the Christmas holidays, the Elon Choir presents Handel's oratorio, *Messiah*.

Plays presented by Elon students and by visiting drama groups are also a feature of the College's cultural offerings.

Honor Societies

Alpha Chi. Membership in this national scholastic society is one of the highest honors an Elon student can attain for academic excellence. To be eligible for membership a student must be a junior or senior, must be in good standing, and must have distinguished himself/herself through academic accomplishment.

Alpha Epsilon Rho. The objective of this honor society is to recognize scholastic achievement in the Journalism and Communications programs.

Association of Computer Machinery. The objective of this honor society is to recognize scholastic achievement by majors in Computing Sciences.

Beta Beta Beta. The objective of this national honor society is to recognize scholastic achievement in the Biology program.

Epsilon Beta Epsilon. The objective of this honor organization is to recognize scholastic achievement by majors in economics and business courses.

Kappa Delta Pi. The objective of this honor society is to recognize scholastic achievement by majors in Education.

Kappa Mu Epsilon. The objective of this honor organization is to recognize achievement by majors in Mathematics.

Omicron Delta Kappa. This national society recognizes students, faculty, alumni, and outstanding citizens for exemplary character, service and leadership in campus life, and good citizenship within the academic and larger community.

Phi Alpha Theta. The objective of this national honor society is to recognize scholastic achievement in the History program.

Pi Gamma Mu. The North Carolina Alpha chapter of Pi Gamma Mu, national Social Science Honor Society, was chartered in 1929. Students and faculty members who attain distinction in the social sciences at Elon are eligible for nomination into membership.

Sigma Delta Pi. The objective of this honor organization is to recognize achievement by majors in Foreign Languages.

Sigma Tau Delta. The objective of this honor organization is to recognize scholastic achievement in English.

Theta Alpha Kappa. The objective of this national honor society is to recognize students and faculty for scholastic achievement in the field of religious studies.

Student Organizations

Elon College offers students opportunities to become involved in numerous activities and organizations on the campus. The range of these activities is considerable. Students are encouraged to work with the Director of Student Activities to start new organizations.

Departmental—American Marketing Association, Computer Science Club, Student Chapter of the Music Educators National Conference, Student National Education Association, Alpha Kappa Psi (Business), Math Club, Health, Physical Education and Leisure Club, Psychology Club, Accounting Society, and Women in Communications.

Greek—There are 14 social fraternities and sororities at Elon. Fraternities include Alpha Kappa Lambda, Kappa Alpha, Kappa Alpha Psi, Kappa Sigma, Sigma Phi Epsilon, Omega Psi Phi, Sigma Chi, and Sigma Pi. Sororities are Zeta Tau Alpha, Sigma Sigma Sigma, Phi Mu, Alpha Sigma Alpha, Alpha Omicron Pi, and Alpha Kappa Alpha.

Music and Fine Arts—Concert Bands, Jazz Stage Band (the EMANONS), College Choir, Chamber Singers, College-Community Orchestra, Elon College Gospel Choir, Grand Staff, Show Band of the Carolinas, Music Theatre, Symphonic Winds, and the Construction Company (Dance).

Religious—Fellowship of Christian Athletes, Intervarsity Christian Fellowship, Newman Society, Discover Fellowship, Baptist Student Union.

Service—Delta Sigma Theta, Bacchus (alcohol awareness), Alpha Phi Omega, and Habitat for Humanity Elon College Chapter, Circle K International, Elon Volunteers..

Sports—Comprehensive intramural program, Lacrosse Club, Outing Society, Pershing Rifles.

Others—Class organizations, Black Cultural Society, College Republicans, Young Democrats, International Students Association, Resources for Non-traditional Elon Women (ReNew), Intellectual Competition Society, Students for Peace and Justice, Student Government Association, Student Union Board, Liberal Arts Forum, Lyceum Committee, Residence Hall Association, College Bowl, Model UN, North Carolina Student Legislature, Elon College Campus Drug Prevention Committee.

Communications Media

The Board of Student Communications Media. The Board is composed of students and members of the faculty and administration. It advises, guides, and encourages all student media on campus.

Elon Colonnades. This is the College literary magazine. It is published by students interested in creative expression, both verse and prose.

The Pendulum. The College newspaper, *The Pendulum*, is published weekly by a student staff.

Phi Psi Cli. The College yearbook is edited by members of the student body. Its name, *Phi Psi Cli*, commemorates three former literary societies.

Radio Station. WSOE-FM, the campus radio station, operates each day and is staffed primarily by students. The station broadcasts from a facility in Harper Center.

Who's Who

A committee composed of members of the faculty, administration, and student body each year elects students to be listed in the national publication *Who's Who in American Colleges and Universities*. Selection is made on the basis of scholarship, participation and leadership in academic and extracurricular activities, citizenship and service to the College, and promise of future usefulness.

Athletics

Intramurals. The purpose of the intramural program is to give all students an opportunity for healthful activity and recreation. Both men and women participate in football, racquetball, volleyball, co-rec volleyball, water polo, badminton, tennis, basketball, and softball.

Winning teams and individuals are awarded trophies in all sports.

The Intramural Council, composed of representatives of all social clubs, residence halls, and the commuter student group, is an advisory group for the Director of Intramural Programs and his staff and works to promote the program.

Intercollegiate. A member of the South Atlantic Conference and the National Association of Intercollegiate Athletics, Elon has teams which compete with other colleges in football, basketball, baseball, tennis, golf, track, soccer, women's volleyball, women's basketball, women's softball, women's soccer, and women's tennis. Lacrosse is played as a club sport.

Traditional Events

Alumni Day. This day is one of the highlights of the year and the time for class reunions. The Alumni Association honors its outstanding alumnus of the year at the Alumni Banquet.

Founders Day. A convocation honoring the founders of Elon College is generally held in the spring.

Greek Weekend. A time for relaxation, competition, and fun is sponsored each spring by Greek letter organizations. Contests of various kinds—tug of war, potato sack races, chariot races, dance competition, and skits—are presented with prizes awarded to the winners of each category.

Homecoming. Homecoming takes place in the fall, bringing back to the campus many former students. Entertainment includes golf and tennis tournaments, a football game, and the homecoming dance.

Parents' Weekend. In the fall parents are invited to visit the campus and participate in several events planned especially for them.

Spring Fling. A weekend of activities which includes student competitions, concerts, and other programs.

Admissions, Finances, and Financial Aid

Admissions Procedures

Elon College operates on a modified rolling admission plan.

Students who send applications to Elon will be sent a postcard, giving notification that the application has been received. Applicants will hear from the Admissions Office in 4-6 weeks after the application is complete.

Admission is based on the high school record and class rank, SAT or ACT scores, recommendations and, in the case of transfer students, previous college work and recommendations.

Elon College admission packets are available from many high school guidance offices or directly from the Admissions Office of the College. Completed applications should be returned with a non-refundable \$25 application fee and transcripts of all high school credits and any post-secondary work attempted.

Degree candidates and special students must satisfy the Committee on Admissions as to intellectual promise, and emotional and social stability.

Admission generally requires no fewer than the following number of units of high school credit:

English	4 units
Science	1 unit
History	1 unit
One Foreign Language	2 units
Math	2 units
(Algebra I & II or Algebra I & Geometry)	

Early Decision Plan

The Early Decision Plan at Elon College is available to well-qualified high school students who at the close of their junior year decide that their first choice college is Elon. A signed Early Decision agreement is required with the application. To be considered for Early Decision, a student can apply anytime after completion of the junior year, but must be completed not later than November 1 of the senior year. It must include the application, the high school record, and scores on the Scholastic Aptitude Tests. Decisions are based upon junior year grades and test scores; SATs taken in the fall of the senior year cannot be considered for Early Decision. Students chosen under the Early Decision plan will have the following advantages: (1) an early financial aid estimate, (2) early registration, and (3) priority housing.

Students accepted under Early Decision must submit a non-refundable \$200 deposit by December 15 and withdraw applications(s) from all other colleges at that time. Those not admitted by Early Decision will be reviewed in the regular application process and senior information will be considered.

Entrance Examinations

Applicants for admission to Elon College are required to submit their scores on the Scholastic Aptitude Test of the College Entrance Examination Board or the American College Test of The American College Testing Program. For either test, scores should be sent directly to Elon College.

Application blanks, lists of testing centers and dates, and rules on applications, fees, reports, and the conduct of testing are available in most high school guidance centers in the United States.

Acceptance on Condition

Students who have been graduated from a secondary school but do not meet the requirements in subject matter areas and units may be accepted on condition. Any deficiency must be removed at Elon before the beginning of the sophomore year. A student entering with a deficiency may not be able to complete degree requirements in eight regular semesters.

Students whose deficiencies indicate a need for special work may be required to participate in the Transitional Program. Upon successful completion of this work and recommendation by the Transitional Program Coordinator, the student may proceed with regular course work.

Special Students

The College admits a limited number of special students. A special student is a student who is *not working toward a degree at Elon College*. These include:

1. *Persons who wish only private music instruction* in the Department of Fine Arts. Such applicants are admitted if instructors are able to schedule lessons for them.
2. *High school graduates* who wish to take classes of special interest.
3. *Visiting students* from other colleges during summer and winter terms.
4. *College graduates* who are interested in further study at Elon. Such applicants are admitted if they fulfill requirements for admission to the desired courses.
5. *College graduates* working toward teacher certification or recertification.
6. *High school students* who wish to take work on the Elon campus during their senior year. Credit for this work is generally transferable to other institutions.

Special students may register for no more than 7 hours per semester without approval of the Dean of Academic Affairs.

Advanced Placement and Credit

Applicants for admission may be placed in advanced classes of subjects

in which they have demonstrated superior ability and understanding. Recommendations for advanced placement come from the Dean of Academic Affairs with the approval of the department chairman.

Advanced Placement Examination

Students who earn a score of 3 or better in the Advanced Placement Tests of the College Entrance Examination Board taken at the high school during spring of the senior year may receive credit in the following fields: art, biology, chemistry, computer science, English, French, German, history, mathematics, music, physics, Spanish. Scores should be sent to Office of Admissions for approval by the Dean of Academic Affairs.

College-Level Examination Program (CLEP)

The College-Level Examination Program (CLEP) of the College Board enables students to earn college credit by examination. Students desiring to receive credit by examination are required to earn a scaled score of 500 on the General Examinations and/or a score of 50 on the Subject Area Examinations. Credit may be awarded in the following: Composition and Literature, Foreign Language, History and Social Sciences, Science and Mathematics. Adult students interested in receiving credit through CLEP should contact the Admissions Office for information. Scores should be sent to the Admissions Office for approval by the Dean of Academic Affairs.

American College Testing Proficiency Examination Program (PEP)

Students who demonstrate proficiency in the PEP examination may earn college credit in the following:

American Literature 203, 204; Freshman English 111; Accounting 211, 212; Education 211; Educational Psychology 321; Physical Education 120.

Scores should be sent to the Office of Admissions for approval by the Dean of Academic Affairs.

Department Examination

Students may contact the Dean of Academic Affairs for details concerning the process of credit through examination by departments at Elon in areas not covered above. The cost for each examination is \$135.00.

Transfer Credit

Elon offers credit for courses taken through college parallel programs at accredited junior colleges or community colleges, and for courses taken at accredited four-year colleges and universities. Transcripts are evaluated and credit is awarded on a course by course basis after the student has been accepted for admission.

No more than 65 semester hours of credit will be allowed from two-year institutions. No credit is allowed for a course with a grade report below that of a "C". Credit will not be given for classes taken while a student is under academic suspension.

Requirements for an AB or BS Degree:

1. Requirements for a major must be completed.
2. General Studies requirements must be completed.
3. Additional elective hours to equal the 126 necessary for graduation must be completed at Elon.
4. Admissions requirements in mathematics and foreign language must be satisfied prior to graduation.
5. It is necessary that a student have 36 hours of credit at the Junior-Senior level to qualify for graduation.

Credit for Veterans

Veterans entering Elon may transfer certified credits from various areas.

1. Military personnel on active duty who wish to submit CLEP credits should see their Education Officers concerning CLEP tests or write to USAFI, Madison, Wisconsin.
2. Work from other accredited post-secondary institutions may be accepted.
3. Service experience may be accepted for physical education and health requirements.

Acceptance and Room Reservation Deposits

All Resident Students. To complete acceptance and to reserve a room, a deposit of \$200 is due within the time specified in the letter of acceptance. This deposit is credited to the student's account. The full amount is refundable until May 1, with written notification of withdrawal. For the spring semester the full amount is refundable until December 15. A forfeited deposit can be refunded only upon a doctor's statement of applicant's inability to enroll.

If a resident student decides to commute, the Admissions Office must be notified before May 1, in order to get full credit for the room deposit.

All Commuter Students. To complete acceptance, a deposit of \$50 is due within the time specified in the letter of acceptance. It is not refundable after May 1 for the fall semester and December 15 for the spring semester, except upon a doctor's statement of applicant's inability to enroll.

General Costs

The cost of attending Elon College is purposely held at a reasonable level. The chart on the following page gives the particular charges for resident and commuter students. Please note that there are special tuition rates for part-time students.

Student Government Association fees are collected from all students enrolled for eight or more semester hours during registration.

Room Charge. Students changing rooms without permission of the dean of students are charged for both rooms.

Board Charge. All resident students are required to board in the College dining halls. The cost of board is subject to change without notice. Double charge is made for special diets. Upperclass resident students may select a five-day meal plan.

Students living off campus but enrolled as full-time students may eat in the College dining hall upon payment of board fees for each semester as determined by the Business Office or through buying individual meals.

Book Expenses. The estimated cost of textbooks is \$450 for the academic year, of which \$225 is needed for purchases from the campus bookstore at the opening of fall semester.

Costs Covered by Tuition. Included in the tuition fees are costs of registration, use of the library, recreation facilities, admission to home athletic events, student publications, post office box for college housing, regular laboratory fees, and 8 to 18 semester hours of work, inclusive each semester.

The tuition, fees and estimated book expenses do not include fees for special courses and special laboratory work, which will depend upon the course of study undertaken. Personal expenses will vary with the individual student. For the student who must earn money toward his or her college expenses, there are a number of opportunities for work to be found through the Financial Planning Office.

Expenses for the 1990-91 Academic Year

Full-Time Enrollment/Day Students (12-18 hours)

	Fall Semester	Winter Term*	Spring Semester
Tuition	\$3,350	\$135/hr	\$3,350
Room	725	185	725
Board** (Winter Term billed with Fall Semester)			
7 day plan.....	995	190	805
5 day plan (not available to freshmen)	885	170	715
Student Government.	35		35
Overload***	135/hr	135/hr	135/hr
Caution/Damage Deposit (refundable, applies to residence hall students only)	100		

*Dorm students enrolled full-time fall semester, not attending winter term, will be eligible for a credit for winter term board. If a student is enrolled full-time for either fall or spring semester, there is no charge for the winter term. (Tuition, Room)

**After the beginning of a semester, a \$20.00 administrative fee will be charged to change meal plans.

***More than 18 hours in fall or spring; more than 4 hours in winter.

Part-Time Enrollment/Day Students

Tuition	
1-7 hours	\$135/hour
8-11 hours†	\$200/hour

†Students enrolled for 8-11 hours are responsible for SGA fee.

Evening School

Undergraduate Programs

Tuition	
1-7 hours	\$135/hour
8-11 hours	\$200/hour

In order to be eligible for more than 7 hours in fall or spring students must (1) have earned a high school diploma or its equivalent, (2) be at least 23 years of age and/or out of school for at least one year, and (3) receive permission from the Dean of Admissions. Evening students can enroll in no more than 3 semester hours in the day program.

Graduate Programs

M.B.A. Tuition.....	\$175/hour
M.Ed. Tuition.....	125/hour

Summer School 1991

Tuition per semester hour.....	\$135
College enrollment fee including SGA of \$1.....	10
Room (\$185) and Board (\$350) per summer term	535
Auditing per course.....	100
Special fee for applied music lessons	
One semester hour credit or audit.....	150
Two semester hours credit or audit.....	300
Charges for other courses with special fees are listed in the catalog and/or the course schedule.	

Special/Optional Fees (No Refund after Drop/Add Deadline)

Applied music lessons:	
Each one semester hour credit or audit for non-music majors....	\$150
Each one semester hour credit or audit for music majors taking second or additional lessons.....	150
Charges for other courses with special fees are listed in the catalog and/or the course schedule.	
Auditing per course.....	100

Graduation Fees

Bachelor's Degree.....	\$35
Master's Degree.....	40

Miscellaneous

Late registration/Re-enrollment during term.....	\$25
Late Payment.....	25
Drop/Add course after classes begin.....	10
Transcripts.....	3
Caution deposit (dorm damage and key) refundable after student leaves campus housing).....	100
Examination for course credit.....	135
Automobile registration	
Resident students.....	20
Commuter students.....	15
Replace I.D. Card.....	10
Replace Meal ticket.....	10
Returned check fine.....	20

A student's grades or graduate's diploma and transcripts will be withheld until his/her financial obligations to the College are settled. A student cannot register for further course work until financial obligations to the College are settled.

Refunds**Academic Year — Fall and Spring Semester***

Tuition, fees, and room charges are refunded on a pro rata basis during the first five (5) weeks of the semester. Any part of a week will be considered as a full week for all pro rata charges.

If enrollment is dropped during:

- 1st week pro rata charge 5%
- 2nd week pro rata charge 20%
- 3rd week pro rata charge 40%
- 4th week pro rata charge 60%
- 5th week pro rata charge 80%
- 6th week — no refund

*Upon withdrawal, Meal Ticket refunds are pro-rated.

Notice of Withdrawal

In order to be eligible for refund upon withdrawal, a student must notify the Dean of Student Affairs in writing of his/her intentions. The student must also check out with the Student Financial Planning Office and the Cashier. Refunds are calculated as of the date of written notice to the Dean of Student Affairs.

Winter Term and Summer School*

Enrollment dropped during the second or third day of classes of Winter Term or Summer School will warrant 90% refund of tuition and room charges. Enrollment dropped during the fourth or fifth day of classes of Winter Term or Summer School will warrant 50% refund of tuition and room charges. There will be no refunds after the fifth day of classes.

*Upon withdrawal, meal ticket refunds are pro-rated.

Payment Plans

Payment plans through outside agencies and directly through the College are made available to students. These plans may be multiple year plans and may or may not include life insurance. Literature is distributed to entering freshmen and is available in the Financial Planning Office.

Financial Aid

Elon College is committed to the policy that no student should be denied a college education because of limited funds. To the extent possible, eligible students are aided in meeting costs through careful planning and through various forms of financial assistance.

To be eligible to receive any type of College, state, or federal aid, students must be making satisfactory academic progress towards the completion of degree requirements. In addition, priority for all campus-administered funds (except Pell Grant—see Pell Grant information below) is given to students enrolled for at least 12 semester hours of course work per semester. No offer of financial aid will be made until an applicant has been accepted for admission to Elon College.

Financial aid programs vary by source, eligibility criteria, and application procedures. A financial aid “package” for an individual student may consist of a combination of (I) need-based aid (grants, loans, work) as well as (II) non-need aid and (III) payment options. Each type of aid available at Elon is described below.

- I. **Need-Based Aid:** awarded to eligible applicants on the basis of financial need. Except for GSL, these programs are available to undergraduates only.

A. *Types of Need-Based Aid*

1. Grants: money which does not have to be repaid.

a. Federal Grants

1) *Pell Grant:* Applicants receive a Student Aid Report (SAR) which they submit to the Financial Planning Office. Grant eligibility is determined on the basis of the SAR and students' course load (must enroll for a minimum of 6 hours per semester).

2) *Supplemental Educational Opportunity Program (SEOG):* awarded by the College from federal funds to students demonstrating high need.

b. State Grants

- 1) *North Carolina Contractual Scholarship Fund*: state funds awarded by the College to North Carolina students who qualify on the basis of need.
- 2) *North Carolina Student Incentive Grant*: state funds awarded by the College Foundation, Inc. to North Carolina students who qualify on the basis of need.

c. Institutional Grants: students may be considered for grant funds and Endowed Scholarships listed in the College Catalog by completing the application procedures for need-based aid (described below).

2. Loans: long-term, low-interest loans available to eligible applicants. Repayment begins after student is no longer enrolled at least half-time.

a. Perkins National Direct Student Loans (Perkins NDSL): awarded by the College from federal funds to students demonstrating high need. Interest during repayment is 5%.

b. Stafford Loan

(GSL/FISL): funds from private lenders (banks, credit unions). Eligibility is based on financial need, as determined by completing the Financial Aid Form (see Application Procedures, below). It is generally necessary for applicants to complete additional application materials for the lender. Graduate students may borrow through this program. Interest during repayment is 8% in the first four years, which then increases to 10%.

3. College Work-Study Program (CWSP): federal funds awarded by the College to eligible applicants who demonstrate financial need in accordance with the federal guidelines. Students work on campus and are paid according to hours actually worked. Earnings are limited to the amount awarded in the financial aid package. College funds pay 30% of students' wages.

B. *Application Procedures for Need-Based Aid*

1. File a Financial Aid Form (FAF) with the College Scholarship Service (CSS) and designate Elon College to receive a copy.
2. Complete the Elon Aid Application.
3. Respond to any requests for additional documentation.

Note: Priority consideration for need-based financial aid will be given to eligible applicants whose financial aid file is complete by May 1 prior to the academic year for which aid is requested.

II. Non-Need Aid: funds awarded to students on the basis of special characteristics, merit, or achievement.

A. Grants/Scholarships: money which does not have to be repaid.

1. North Carolina Legislative Tuition Grant: grant to all full-time undergraduate students who are legal residents of this state. In 1989-90, the grant was \$1150 (\$575 per semester). A brief application must be completed at Registration.
2. Private Scholarships: funds awarded by foundations, service clubs, churches, employers to students selected by the donor. Students generally seek these funds on their own.
3. Military: ROTC, National Guard, and Veteran's programs offer financial assistance for college expenses. Contact the unit nearest you.
4. North Carolina Teaching Fellows: N.C. high school seniors may apply through their school for the Teaching Fellows program. Those selected by the Teaching Fellows Commission may enroll at Elon at no cost: the program covers tuition, fees, room, and board. Special programs are offered throughout the 4 years, including a semester abroad. For more information, contact your high school guidance counselor.
5. North Carolina Programs: the state offers a number of scholarship and loan programs for students enrolled in specific educational programs (education, health) or who have interest or involvement in 4-H or the insurance industry. Additional information is available in the Financial Planning Office. North Carolina agencies also provide assistance through Aid to Families with Dependent Children (AFDC) and Vocational Rehabilitation for eligible applicants. Contact the office nearest you.
6. Institutional Awards
 - a. Academic Scholarships: applicants for admission to the College who qualify for academic scholarships are nominated and invited to apply for scholarship competition.
 - b. Leadership Fellows: applicants for admission to the College who qualify for this award are nominated and invited to apply for scholarship competition.
 - c. Performance Awards: funds awarded to students who demonstrate high achievement in areas such as music or athletics. In addition, there is limited scholarship money for students studying in particular majors (such as religion, history, business). To apply for performance awards, contact the appropriate academic department.

B. Non-Need Loans: long-term loans available to assist in financing educational expenses, based upon credit-worthiness rather than "need."

1. Parent Loans for Undergraduate Students (PLUS): parents may borrow up to \$4000 per academic year through a private lender (bank, credit union) for each of their dependent undergraduates enrolled at least half-time in college. Interest rate is variable and payment of interest begins immediately. Repayment of the principal may be deferred while the student is enrolled. Applications are available from the lender.
 2. Supplemental Loans for Students (SLS): independent students and graduate students may borrow up to \$4000 per academic year through a private lender. Interest rate is variable. Repayment of principle may be deferred until student ceases to be enrolled, but interest payments are not deferred. Applications are available from the lender. Applicants must also file the FAF.
 3. TERI Loans: loans through private lenders for \$2000 to \$15,000. Interest rate is variable. Additional information available from the Financial Planning Office.
 4. Private Loans: funds through the student's/parents' own resources: financial institutions, employer, or family.
- C. *Employment*: on and off campus.
1. Institutional Work-Study Program (IWSP): available to students who do not qualify for CWSP. Interested students may seek campus employment through departments which have funds to pay them through their own budget. Assistance is available at the Financial Planning Office.
 2. Off-Campus Employment: opportunities for part-time work in the near-by community and summer jobs are available through Career Services.

III. Payment Options

1. VISA/Mastercard: Elon College accepts these charge cards for payment of tuition and fees.
2. Ten-Month Payment Plan: charges for the entire academic year, minus financial aid, are divided by 10 for monthly payments from May 15 through February 15.

Elon College Endowed Scholarships

Endowments provided through the generosity of private donors generate earnings which are awarded as the scholarships listed below. Students may be considered for these awards by completing the application procedures described for need-based aid.

Aetna Life and Casualty Scholarships. Awarded to minority students with above-average academic records who have financial need. Funds are provided by the Aetna Life and Casualty Foundation of Hartford, Connecticut.

Edward M. Albright Scholarship. Established by his wife, the late Olivia White Albright.

Simeon Lee Allen Scholarship. Established by his sister, Mrs. Naomi Allen Garber, income from this fund provides aid for deserving students, preferably from the Elon Home for Children.

Nina and Dickie Andrews Scholarship. Created by R. Homer Andrews in memory of his wife, Nina, and their son, Dickie. For needy and worthy students, preferably from Alamance County.

The Rev. J. Frank Apple Memorial Scholarship. For worthy and deserving students, preferably preparing for full-time church-related vocations.

Dr. J. O. Atkinson Memorial Scholarship. Established by the members of the family of the Reverend J. O. Atkinson.

Band Scholarships. Awarded on a limited basis to students who are talented musicians and participate in band activities.

John W. Barney Memorial Scholarship. Established by colleagues, former students, and friends.

Barrett-Harward Scholarship. Created by William E. and Sue Barrett Harward in memory of Waverly S. Barrett and William D. Harward, Class of 1896.

R. H. Barringer Distributing Co., Inc. Tennis Scholarship. Selected by the college tennis coaches, alternating between men and women, with preference to students from Alamance, Caswell, Guilford, or Rockingham Counties, N.C.

Walter H. and Barbara Day Bass Scholarship. Awarded to students who have financial need and a record of high academic achievement.

Robert C. Baxter Scholarship. For worthy students.

Frederick Wharton Beazley Scholarship. Established by The Beazley Foundation in memory of Mr. Beazley, businessman and philanthropist, income from this Leadership Scholars fund will be given with first preference to Tidewater area Virginia students.

Robert Charles Beisinger Scholarship. For deserving students concerned with mission work, preferably among Spanish-speaking people.

Carol Grotnes Belk Scholarship. Established by Irwin Belk in honor of his wife, income from this fund provides scholarships to worthy students.

Jennie Willis Atkinson Bradford Scholarship. For a worthy student in the Department of Fine Arts.

Ned Faucette Brannock Scholarship. For a senior in the Department of Chemistry who engages in an original research project as part of his study program.

Brannon-Sugg Scholarship. Established by Horace O. and Mary Sue Sugg Brannon in honor of their children, this scholarship is for deserving students, preferably from Alamance, Randolph or Polk Counties, N.C.

C. V. "Lefty" Briggs Athletic Scholarship. Established by his daughters for a student who possesses outstanding athletic ability and high moral character.

Richie E. and Agnes R. Brittle Scholarship. Created by Hunterdale United Church of Christ, Franklin, Virginia.

Trudie Kimrey Bueschel Christian Education Scholarship. Established by Mr. and Mrs. Thomas L. Bass, Jr., in memory of her mother. Income from this fund is awarded to deserving students pursuing a full-time Christian vocation, with preference given to members of Haw River United Methodist Church.

Burlington Business and Professional Women's Club Scholarship. For needy and worthy women students from Alamance County.

Burlington Handbags Scholarship. Established for employees of Burlington Handbags and their families or a deserving Alamance County student.

William E. "Buster" and Mary Griffin Butler Scholarship. For worthy students from North Carolina or Virginia, preferably children of school teachers and/or college business officers.

Byrd Scholarship. Established by C. R., Jr., and H. W. Byrd for employees of Byrd's Food Stores, children of employees or students pursuing a course of study leading to a career in full-time Christian work.

Luther Byrd Athletic Scholarship. Awarded annually alternating between a women's basketball player and a student working in the college's Sports Information Office.

Caddell Memorial Scholarship. In memory of Dr. Stephen Washington and Cora Bell Caddell by members of their family. For a student of good character who has demonstrated high academic achievement.

Pauline Nina Taylor Cammack Memorial Scholarship. Established by Ramsey E. Cammack in memory of his wife, income from this fund is awarded annually to deserving students.

Isabella Walton Cannon Scholarship. For deserving students of good character interested in governmental service and political science.

Dr. George L. Carrington Scholarship. Established in memory of her husband by Elizabeth Scott Carrington for deserving students.

Caswell-Alamance Scholarship. For a student from Alamance or Caswell County who has demonstrated high academic achievement and high moral character.

Z. Vance and Philip Vance Cates Scholarship. Given by Gordon Pannill Hurley, Jr. and James Franklin Hurley, IV, in memory of their grandfather, Z. Vance Cates, and their uncle, Philip Vance Cates, income from this endowment fund is used to assist academically-talented students.

Wallace L. Chandler Scholarship. For students from the Richmond, Virginia metropolitan area, who have demonstrated high academic achievement and have substantial promise for continued success.

Frederica Olsson and Constant Woodman Chase, Jr. Memorial Scholarship. Established in memory of Dr. Carole F. Chase's parents and awarded annually to one or more non-traditional students who are majoring in one of the liberal arts.

Paul and Ruth Cheek Scholarship. For chemistry students with high academic average.

Class of 1925 Scholarship. In honor of the living and in memory of the deceased members of the Class of 1925.

Class of 1930 Scholarship. Established by the members of the Class of 1930.

Class of 1938 Centennial Scholarship. Earnings from this fund, established by members of the Class of 1938, provide scholarships for deserving students.

George D. Colclough Scholarship. Created by gifts from the family and friends of George D. Colclough, Class of 1924.

Carl and Betty Coley Scholarship. For worthy students.

Comer Golf Fund. Established by Mr. and Mrs. Marvin Comer and awarded to a worthy member of the Elon College Golf Team.

Alyse Smith Cooper Music Fund. Established by Mrs. Alyse Smith Cooper.

Income used preferably for scholarships for music students with priority being given to those from Alamance County or North Carolina, or for support of the music program of the College.

Billy Crocker Jazz Scholarship. To a member of the Emanons selected by a vote of members and directors of the Emanons.

Alan Wheeler Crosby Scholarship. Established by the Crosby family and his friends.

Danieley Scholarship. In honor of Dr. J. E. Danieley, sixth president of the College, a scholarship is awarded to a worthy member of the freshman class.

J. E. Danieley Scholarship. Established by Mr. and Mrs. Chester W. Burgess, III, in honor of the sixth president of the College, income from this fund provides scholarships for worthy students based on need and acceptable academic standing.

Verona Daniels Danieley Scholarship. Based on character, need, and demonstrated academic potential, with preference given to women students from Carteret and Alamance Counties, N.C.

T. B. Dawson Scholarship. Established by friends and relatives of the late T. B. Dawson; income from this fund is given to a deserving student.

Dwight L. Dillon Athletic Scholarship Award. Established in 1989 by the family of Dwight L. Dillon, an Elon alumnus from Bassett, Va., to provide scholarship assistance to a football or golf student athlete with a preference given to an athlete in the Martinsville-Henry County area of Virginia.

Maggie Baynes Dixon Ministerial Scholarship.

Dewey Hobson Dofflemeyer Scholarship. Established by his wife, Annie Onley Dofflemeyer.

William H. and Kathryn M. Duncan Scholarship. For deserving students who are legally blind or who have impaired vision.

Eastern North Carolina Ministers Memorial Scholarship. Preferably for worthy and needy students who are from churches in the Eastern North Carolina Association and who are majoring in religion.

W. Clifton Elder Scholarship. For a well-rounded, deserving student, preferably from an Alamance County textile family.

Elon College Community Church Scholarship. For worthy students, preferably from the church.

Thad Eure Scholarships. Honoring former N.C. Secretary of State and Elon Board Chairman Thad Eure, this fund provides scholarships to deserving students.

Clyde Lee Fields and Bertie S. Fields Memorial Scholarship. Established by friends, associates and family in memory of Dr. Clyde L. Fields, Class of 1949, clergyman and community leader, and in honor of Mrs. Bertie S. Fields, to be awarded to deserving students.

First Christian Church, Portsmouth, Virginia, Memorial Scholarship. Established in 1965 by the Women's Fellowship and others of the First Christian Church.

Mary Ruth and Archibale F. Fleming, Jr. Scholarship. For tuition and fees of one or more students.

A.J. Fletcher Music Scholarship. To assist incoming or returning music

majors who show scholastic promise, progress and ability in music performance, and who need financial assistance.

H. Terry and Nonnie B. Floyd Scholarship. Established by their son, Dr. Walter Lawrence Floyd, income from this fund provides financial aid to students.

Lacy R. Fogleman Scholarship of St. Mark's Reformed Church. For worthy and deserving students preferably from St. Mark's Church or Alamance County, and preferably pursuing pre-ministerial or Christian Education studies.

Franklin Congregational Christian Church Scholarship. To a deserving student with the following order of preference: (1) a member of the Franklin, Va. Church, (2) a member of an Eastern Virginia Association Church, (3) a member of a Southern Conference Church.

Charles A. Frueauff Foundation Scholarship. For academically talented students.

John L. Frye Scholarship. For deserving students, with preference given to football participants.

Allen Erwin Gant Scholarship. Established by his sisters, Miss Jessamine Gant and Miss Corinna Gant. Preference given to students who are residents of Alamance County.

John L. Georgeo Scholarship. For both men and women who have high academic success or potential and leadership ability.

Frederick K. Gilliam, Sr. Scholarship. Provided by friends and associates of Mr. Gilliam, income from this fund provides scholarships for deserving students in accounting.

Glen Raven Mills Educational Award. For worthy students, preferably Glen Raven Mills employees or members of employees' families.

Mills E. and Katherine B. Godwin Scholarship. For worthy students in need of assistance and from the Hampton Roads area of Virginia.

Judge Eugene A. Gordon Scholarship. For a deserving student from North Carolina or Virginia.

John S. Graves Scholarship. For a student who best exemplifies Graves' philosophy of life: "Faith in God coupled with love and respect for one's fellow-man."

Griswold-Watts Scholarship. Established by Dr. and Mrs. Frederic T. Watts, Jr. in honor of their parents, Mr. and Mrs. L. S. Griswold and Mr. and Mrs. F. T. Watts, Sr. To aid academically talented students divided between a member of Sigma Phi Epsilon Fraternity and a political science major.

Jewell Presnell and Carl C. Hall Memorial Scholarship. Established through Mr. Hall's estate, for deserving students.

Robert Kelley and Pearle Jones Hancock Scholarship. Established by their daughter, Mrs. Myrle Hancock Chamberlain, and their grandson and his wife, The Very Reverend and Mrs. David Chamberlain.

Dr. Howard S. Hardcastle Memorial Scholarship. For scholarship aid for needy and deserving students, preferably from the Eastern Virginia Association area.

Harper Scholarship. In memory of Dr. W. A. Harper, fourth president of the College, a scholarship is awarded to a worthy member of the freshman class.

Jesse Weldon Harrington Scholarship. For Williams High School graduates who have demonstrated leadership and academic achievement.

Charlotte A. Hebard Scholarship. The Asheville United Church of Christ administers this fund for worthy "orphaned and neglected children," preferably those from the Elon Home for Children.

E.E. Holland Scholarship. Established by a bequest from the estate of Eunice Ensor Holland as a memorial to Edward Everett Holland.

Holmes Memorial. Established by Miss Ethel Marsh Holmes as a memorial to her brother, Howard Braxton Holmes.

Don S. and Margaret M. Holt Scholarship. Established through Mrs. Holt's estate, to provide scholarship for students in Love School of Business.

Vitus Reid Holt Scholarship. For students from the Elon Home for Children.

A. L. Hook Scholarship. For deserving students. Special consideration should be given to students who plan to take a course in physical science.

C. Chester Huey Athletic Scholarship. Established by his widow, Josie; his daughter, Elna; and his son, Paul, for a deserving student baseball athlete.

Edward F. Iseley Athletic Scholarship. Awarded to deserving Alamance County student athletes.

Archie and Adelaide Israel Scholarship. For deserving students.

Laura and Nelson Jackson Scholarship. Created by Mr. and Mrs. Nelson Jackson, Sr., for needy and worthy students who have exhibited a potential for positive contributions to the college community and society.

Mr. and Mrs. Burney Jennings Scholarship. Established by the Jennings to benefit a student attending Elon.

Jephson Educational Trust Scholarships. Provided for students who have good academic records and demonstrate financial need. Funds are provided by the Jephson Educational Trust Number 1 of New York City.

Dr. I. W. Johnson Scholarship. A gift from Mrs. Sallie Bertie Ellenor Johnson, wife of the Reverend I. W. Johnson.

Virginia Somers Jones Scholarship. For deserving students.

John M. Jordan Scholarship. For a deserving student from Alamance County, preferably with a foster home background.

Juanita Wheeler Keeton Scholarship. Established in memory of Ms. Keeton, for non-athletes with financial need.

Esther Cole and John Robert Kernodle Scholarship. For above average, honor-type, needy students who study science or music.

Lecy Martin Kernodle Scholarship. This bequest provides aid for Alamance County students majoring in education.

Virginia Beale Kernodle Scholarship. Created by John T. Kernodle for deserving students, preferably those from Eastern Virginia.

Lucian and Lelia King Scholarship. For deserving students.

Ralph F. and Florance Walker Kirkpatrick Scholarship. For a student from Alamance County with an outstanding academic record.

H. D. and Minnie Trollinger Lambeth Scholarship. For a student from Alamance County with an outstanding academic record.

Lee County Scholarship. For needy students, preferably preparing for full-time church-related vocations from one of the participating churches.

Lester Scholarship. Established by Fletcher C. Lester for ministerial students, students preparing for full-time Christian service, or worthy UCC students from N.C. or Virginia.

Max Lieberman Scholarship. For a male student from Alamance County chosen by the Alamance County Board of Education and Graham High School.

Luther A. and Georgia V. Lineberger Memorial Scholarship. For qualified and deserving students.

Long Scholarship. In memory of Dr. W. S. Long, founder and first president of the college, a scholarship is awarded to a worthy member of the freshman class.

Claude V. and Alva Lee Currin Long Scholarship. For deserving students, preferably from Alamance County.

Mills and Mary Alice Luter Scholarship. For a deserving student preferably from the Elon Home for Children.

Zebulon and Alma Lynch Scholarship. Established by Dr. Betty Lynch Bowman and her husband, J. Fred Bowman, in honor of her parents, for needy and worthy students, preferably from Alamance County.

Lynnhaven Colony Congregational Church (UCC) Scholarship. For deserving students preferably from Lynnhaven Colony Church.

Sue Boddie Macon Scholarship. Established by Miss Margaret P. Alston and Mrs. Pattie Alston Macon.

Winona Morris Madren Scholarship. For deserving students with preference to students from Albemarle, Greene and Rockingham Counties of Virginia or from the Shenandoah Association Area of the U.C.C. This fund was established in memory of her husband, the Reverend Silas E. Madren, and her parents.

C. Almon (Mon) McIver Centennial Scholarship. Established by Dalton McMichael in honor of Mr. McIver, Class of 1936, income from this fund is for students with demonstrated leadership ability and high academic standing.

William L. and Beulah McNeill Maness Scholarship. Established by the Rev. Mr. Maness in memory of his wife, for worthy and needy students pursuing careers in Christian service.

William Raymond Massey Scholarship. Established by David S. and William H. Massey in memory of their grandfather, income from this fund provides assistance to rising juniors majoring in Business Administration with preference given to Alamance County students.

Graham "Doc" Mathis Athletic Scholarship. For deserving student-athletes alternating between basketball, football and baseball.

John Z. and Mildred W. McBrayer Scholarship. For a deserving student from Cleveland County.

McCrary Scholarship. Established by Iris and John McCrary for academically talented students who have financial need.

Miles-Dumville Memorial Scholarship. Established through the bequest of William F. Miles, this fund aids worthy students in the field of education or religion. Named for Virginia Green Miles, W. Bennett Miles, and Ellen Miles Dumville.

Moffitt Scholarship. In memory of Dr. E. L. Moffitt, third president of the

college, a scholarship is awarded to a worthy member of the freshman class.

Jane Belk Moncure Scholarship. Established in honor of Jane Belk Moncure, distinguished educator and author, by her husband, James A. Moncure, for an academically talented student.

Moser Scholarship. For deserving students preferably pursuing full-time Christian work who are from Alamance County and the Davis Street United Methodist Church.

Niagara Church Scholarship. For needy and worthy students, preferably from Moore County.

Vivian Wrenn Pell Scholarship. Established by Sybrant H. Pell in honor of his wife, for worthy music students, with preference given to keyboard or orchestra study.

Wayne H. and Mable B. Perrine Memorial Scholarship. For worthy students who have special talent in the performing arts.

Donald W. and Shirley M. Perry Scholarship. For deserving students from Alamance County.

L. J. "Hap" Perry Athletic Scholarship. Established by his sons, preferably for a student from Reidsville Senior High who participates in a sport at Elon.

Paul C. and Margaret S. Plybon Scholarship. Established by Paul C. Plybon, Sr., Class of 1948, and his wife, Margaret S. Plybon, for worthy students who have demonstrated high academic and leadership qualities.

Horace Powell Scholarship. Established by Horace C. Powell of Fuquay-Varina, N.C., for worthy students preferably from Wake Chapel Church.

Rex and Ina Mae Powell Scholarship. Mr. and Mrs. Rex Powell established this fund for the education of children of ministers who attend Elon.

O.D. Poythress Scholarship. Established in honor of the Reverend Olive Daniel Poythress for worthy and needy students, with preference being given to students from the South Norfolk Christian Church, Chesapeake, Virginia.

The Rev. Lacy M. Presnell, Sr. Memorial Scholarship. Established by family and friends to provide financial assistance for worthy and deserving students, preferably those from the general Randolph County area preparing for full-time church-related vocations.

Presser Scholarship. Provided by friends of the Presser Foundation of Philadelphia, Pa., for deserving students who are preparing to become teachers of music.

Emmett H. and Katherine H. Rawles Scholarship. For academically talented students.

Japheth E., Jr., and Virginia B. Rawls Scholarship. For academically talented students.

Paul Reddish Scholarship. For rising junior and senior biology majors selected by the biology faculty. Criteria include scholarship, need, devotion to biological sciences, leadership and personal values.

Richmond Alumni Chapter Scholarship. For freshmen students from the Richmond, Va., area.

George B. and Bessie Holmes Robbins Scholarship. For deserving students.

Viola V. and Amos Thornton Rollings Scholarship. Established by a bequest from the estate of Viola V. Rollings for needy students.

Arthur H. and Trudy B. Rogers Scholarship. Established by the Rogers to

assist a deserving student, preferably from Alamance or Stanley Counties.

Hurley D. Rogers Memorial Scholarship. Established by Mrs. Hurley D. Rogers in memory of her husband, income from this fund provides assistance for qualified and deserving students.

Albert Oscar and Mary Susan Rudd Scholarship. Established by Mary Rudd Turner in memory of her parents, earnings provide scholarship assistance for deserving students.

W. L. Rudd Scholarship and Loan. Established by W. L. Rudd, to aid needy and worthy Christian students.

St. Mark's Reformed Church Scholarship. For deserving students, with first preference to students from St. Mark's Reformed Church.

Sanders-Myers Memorial Scholarship. Given by Dr. and Mrs. Allen B. Sanders in memory of their parents, Ralph E. and Edith Bailey Myers and Grady M. and Lucie Allen Sanders, for a deserving student.

Tom Sawyer-Huck Finn Tennis Scholarship. For deserving men and women who are members of the Elon College Tennis teams.

Renold O. Schilke Trumpet Scholarship. Awarded to selected band students who are interested in playing the trumpet.

James C. Scott Golf Scholarship. To provide a golf scholarship.

Zondal Myers Sechrest Scholarship. For qualified and deserving students, with first preference to Thomasville, N.C. and Davidson County students.

John Duncan Shaw Scholarship. For a student from Jordan Matthews High School in Siler City, N.C., who has demonstrated high academic achievement.

Nancy Gordon Sheffield Scholarship. For a deserving student, preferably from Alamance or Guilford counties.

Charles E. Shelton Memorial. Created by the First United Church of Christ of Portsmouth, Virginia, preferably for one or more students from the Tidewater, Virginia, area pursuing full-time Christian vocations.

Bertha Paschall Shipp Scholarship. Established by Bertha Shipp by bequest for deserving students as determined by the college scholarship committee.

John L. Sills, Jr. Scholarship. Funded by Riverview Narrow Fabrics, this fund is awarded each year to a rising junior accounting major and may be renewed the senior year.

Smith Scholarship. In memory of Dr. Leon Edgar Smith, fifth president of the college, this fund was established by an initial gift from John T. Kernodle of Richmond, Virginia. Additional contributions have been received from friends of the late President Smith. For worthy students.

Oscar F. Smith Scholarship. Established by bequest from Oscar Frommel Smith, trustee. For scholarship assistance to students preferably from Eastern Virginia.

Somers Scholarship. Established by the late Chaplain Lester I. Somers, CDR, USN, and his wife, Mrs. Doris Loraine Somers, for the most outstanding senior majoring in religion or preparing for a full-time Christian vocation.

John and Helene Sparks Scholarship for Business. To aid students in the Department of Business Administration.

Stadler Country Hams, Inc., Scholarship. To provide scholarship aid to a deserving student.

Thomas R. "Bud" and Doris Ward Stadler Scholarship. Established in honor of their daughter, Mona Carol Stadler Covington, income provides scholar-

ships for academic achievers from Alamance County, N.C.

Staley Scholarship. In memory of Dr. W. W. Staley, second president of the college, a scholarship is awarded to a worthy member of the freshman class.

Dr. W. W. Staley Scholarship Fund of the Suffolk Christian Church. Established by the Suffolk Christian Church for a ministerial student or a student in an associated field with preference given to members of the Suffolk Christian Church or members of churches in the Eastern Virginia area.

Mary Frances Stamey Memorial Scholarship. Given by her mother, Willie Packard Stamey, for deserving students from Cleveland County, North Carolina.

Sigmund Sternberger Scholarships. Provided for Guilford County students who are strong scholars and in need of financial assistance. Funds are provided by the Sigmund Sternberger Foundation of Greensboro, North Carolina.

Alda June Stevens Memorial Scholarship. For worthy students, preferably those preparing for full-time Christian service.

Elwood E. Stone Scholarship. Established by his wife, Lucile C. Stone, and their son, Elwood E. Stone, Jr., for a promising student in early childhood education.

William H. Stratford Scholarship. Created by a bequest from Mrs. Marguerite R. Stratford in memory of her husband.

Suffolk Christian Church Scholarship. Awarded upon the recommendation of Suffolk Christian Church with preference given to members of that and other UCC churches in the Suffolk, Virginia area.

Algernon Sydney Sullivan and Mary Mildred Sullivan Scholarships. Awarded to the college's most outstanding students who also demonstrate need for financial assistance. The scholarships are provided by grants from the Algernon Sydney Sullivan Foundation of Morristown, New Jersey.

Rodney E. Taylor Scholarship. Established by Mr. and Mrs. Rodney E. Taylor for deserving students.

William Brown Terrell Scholarship. To honor William Brown Terrell, educator and civic and religious leader. Awarded to a deserving athlete.

Times-News Scholarship. For present or former Times-News newspaper carriers.

Lillian Pearl Tuck Endowment. Established in memory of Miss Lillian Pearl Tuck, a graduate of Elon College and a dedicated educator.

Wallace Lincoln Tuck Scholarship. For needy students.

Arline Lindsay Tweed Scholarship. Established by Mrs. Arline Lindsay Tweed to aid qualified students.

Union United Church of Christ Scholarship. For a deserving student or students from the Union United Church of Christ, Virgilina, Virginia.

Velie Memorial Music Scholarship. Established by relatives and friends. For a deserving student majoring in music. Professor Velie was a member of the music faculty at Elon College and directed the choir of the Elon College Community Church.

Thyra Wright Vestal Scholarship. Established by Mrs. Vestal for a deserving student preparing for a Christian vocation.

Robert Ronald Wagner Memorial Scholarship. Established by Robert R. Wagner II in memory of his father. Income from this fund is awarded to ministerial students.

Wake Chapel Christian Church Scholarship. For needy and deserving students, preferably from Wake Chapel Christian Church (UCC).

Catherine N. Walker Scholarship. Established in honor of Mrs. Walker by her son, Zac. T. Walker, III, income from this fund is awarded to deserving students who maintain a 2.5 grade point average or better.

D. C. "Peahead" Walker Scholarship. Established by gifts from family, friends, and former students, for scholarships alternating between football, basketball, and baseball.

C. Max Ward Scholarship. Established by C. Max Ward for students who show academic promise, a definite need, and an interest in athletics.

Clyde. T. and Esther Ward Golf Scholarship. Established by C. Max Ward, Class of 1949, and Cynthia Fertig Ward in honor of Mr. Ward's parents. For members of the golf team.

Rachel and Bethany Ward Scholarship. Established by George Michael Ward in honor of his two daughters, for deserving women athletes.

William I. Ward, Sr., and David Samuel Ward Scholarship. Established by William I. Ward, Jr., for graduates of Graham (N.C.) High School, or its successor high school, or a resident of Graham who possesses good character, inquiring mind and has financial need.

Dudley Ray Watson Scholarship. Provided by Mr. and Mrs. J. D. Watson for a rising senior majoring in business administration. Based on scholarship, character and potential for societal contribution.

Watterson-Troxler History Scholarship. Awarded by the history faculty to a student with high academic standing, this scholarship fund was provided by Carole W. and George W. Troxler in honor of their parents, Mr. and Mrs. Eugene P. Watterson and Mr. and Mrs. G. Shail Troxler.

Floyd E. West Scholarship. Established in Mr. West's memory by his wife and family, income from this fund is for children of West Brothers Transfer and Storage employees and descendants of Mr. West.

Colonel Henry E. White Scholarship. For deserving students.

Margaret Delilah Bobbitt White Scholarship. Established by her son, Colonel Henry E. White, for an outstanding student, preferably from Vance County, North Carolina

Nellie Glenn White Scholarship. For deserving students, with preference given to members of the Congregational United Church of Christ, Greensboro.

C. Carl Woods Scholarship Award. Established in 1986 by C. Carl Woods, an Elon alumnus from Durham, N.C., to provide scholarship assistance to a deserving student athlete in the sports of football or basketball.

Youth's Friends Scholarships. Awarded to outstanding students who need financial assistance. These awards are made possible by funds provided by the Youth's Friends Association, Inc., of Murray Hill, New Jersey.

James R. and Nina B. Young Scholarship. For worthy academically talented students.

Mr. and Mrs. John F. Youngblood Scholarship. Established by Rachel Y. and D. Lewis Holt in honor of her parents, Mr. and Mrs. John F. Youngblood, for deserving students with preference given to non-traditional students majoring in history education, intermediate education or music education, who have demonstrated high academic achievement.

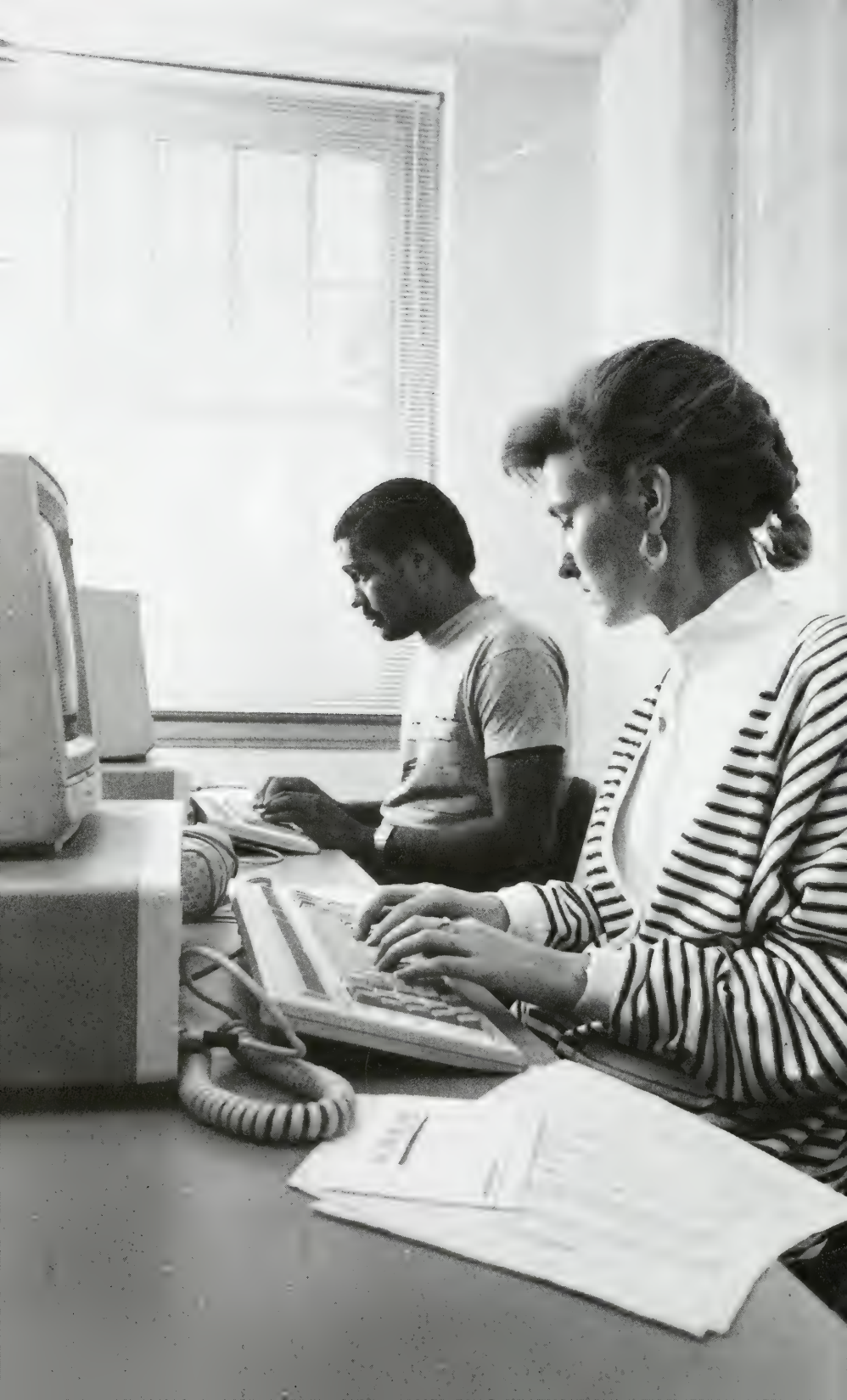
Loan Funds

Burlington Elks Scholarship Loan Fund. Lodge #1433. For students who are residents of Alamance County.

Maggie B. Dixon Loan Fund. To assist members of the junior and senior classes.

Verlie I. Smith Student Loan Fund. For qualified students from North Carolina.

T.M. Stanback Fund. Created by gifts from Mr. and Mrs. T.M. Stanback for the purpose of making loans to worthy students. The student must sign a promissory note endorsed by another responsible person. Reasonable interest is charged on the unpaid balance after the student's program of studies is terminated.



ACADEMIC REGULATIONS

Undergraduate Degree Requirements

Degrees and Major Fields

Bachelor of Arts (A.B.)

Biology
Chemistry
Communications
(Broadcast and Corporate)
Computer Science
Economics
Education
Elementary (K-6)
Middle Grades (6-9)
Secondary Certification
English
Foreign Languages
General Music
History

Human Services
Journalism
Mathematics
Music
Philosophy
Physics
Political Science
Psychology
Public Administration
Religion
Science Education
Social Science
Sociology

Bachelor of Science (B.S.)

Accounting
Business Administration
(Management, Finance and
Marketing)
Chemistry
Computer Information Systems

Health Education
Leisure/Sports Management
Medical Technology
Music Education
Physical Education

For Graduate programs see pages 60-65 and/or the Graduate Catalog.

Bachelor's Degree Requirements

Elon College offers an academic program consisting of a minimum of 126 semester hours of credit for the bachelor's degree. The degree consists of a major field of concentration in the liberal arts or in a professional or preprofessional area, a general studies program, and elective courses. To earn a baccalaureate degree the student completes the academic program below:

1. Satisfactory work in one major subject.

2. Completion of General Studies as follows:

- a. Foundational Studies.....9
 - (1) English 111, 112 (Freshman English Composition).....6
 - (2) Mathematics 111 (or higher).....3
- b. Liberal Studies.....31
 - (1) Expression6
 - Eloquent and creative expression in literature and fine arts. Six hours chosen from art, dance, English, fine arts, music, theatre, at least three hours of which must be English.
 - (2) Science (Analysis).....7
 - Rational processes of testing hypotheses and arriving at precise answers, using established and experimental data. One physical or biological laboratory science and three hours chosen from either mathematics or science.
 - (3) Reflection 6
 - Ultimate questionings through rational inquiry and beyond to faith, contemplation and insight. Six hours chosen from religion and/or philosophy, at least three hours of which must be religion.
 - (4) Civilization 6
 - Historical and cultural context beyond the present day. Six hours chosen from history and/or from one foreign language.
 - (5) Society6
 - Studies social institutions, culture, personality, and the environment as these order human relationships. Six hours chosen from two of the following: economics, geography, political science, psychology and sociology.
- c. Advanced Studies.....12
 - In addition to the above requirements, students will complete twelve hours of junior-senior level courses outside the major field chosen from at least three of the five areas listed under Liberal Studies. It is strongly recommended that one of these courses be a General Studies Seminar which integrates two or more disciplines.
- d. Physical Education 160.....2

3. Electives

4. Satisfactory completion of a comprehensive evaluation in the major field of study.

5. A minimum of 36 semester hours of junior-senior level work.

6. One full academic year of study at Elon (32 semester hours or more), including the last term before graduation.

7. Twice as many quality points as credit hours attempted must be earned.
8. Participation in commencement exercises.

Students must demonstrate competence in English and mathematics or successfully complete English 100 and Mathematics 100 prior to beginning Foundational Studies. Foundational Studies should be completed by the end of the sophomore year.

Students who have not passed Algebra II should make up this deficiency by taking Mathematics 100 during the freshman year.

Students who have not had two years of one foreign language in high school must make up this deficiency by taking two semesters of one foreign language. (French 101 and 102 or Spanish 101 and 102.) Courses taken to remove this deficiency will not satisfy the general studies requirements.

A maximum of 10 semester hours of cooperative education may be applied to the 126 semester hours required for the A.B. and B.S. degrees.

Students who have had one year of active duty in military service will receive credit for the Physical Education requirement by bringing a copy of their DD-214 Form to the Registrar's Office for verification.

Students must apply for graduation by the dates published by the Registrar.

A student has the privilege of graduating under the provisions of the catalog under which he enters, provided that he completes his course of study within five years. After the interval of five years his credits will be subject to review by the Dean of Academic Affairs.

Students who qualify for more than one major must select the primary major for which they will receive a Bachelor's degree. No student will be awarded two degrees at commencement.

It is the student's responsibility to be familiar with the preceding requirements for graduation.

The Major

A minimum grade point average of 2.00 in the requirements for the major is required for graduation. The student may elect to complete more than one major. No later than the beginning of the junior year each candidate for a bachelor's degree must select a major field. Requirements for each major are listed with the courses of instruction.

The Minor

A candidate for the bachelor's degree may elect a field (or fields) of minor concentration, consisting of at least 18 semester hours with a minimum grade point average of 2.00.

General Academic Regulations

Registration and Courses

Classification

Classifications are made at the beginning of the college year in September.

Freshman	1-26 semester hours completed
Sophomore	27-59 semester hours completed
Junior	60-92 semester hours completed
Senior	93 and above semester hours completed

Course Load

Fifteen hours of college work per semester is considered the normal student load. Students who are on academic probation are limited to a maximum load of 13 semester hours in fall and spring semester.

During the one-month winter term, three hours of college work is the normal load for all students.

Maximum load for any one semester is as follows:

Fall and Spring Semesters	18 semester hours
Winter Term	4 semester hours
Summer Term	7 semester hours

Any exception to this policy is the responsibility of the Academic Dean's Office.

Course Registration

Students are expected to register for themselves on the designated days in September, January and February. Registration information is made available to all students. Registration includes academic advising, selection of courses and payment of fees. Before preregistration or registration, each student should consult with his or her academic advisor on course selection, General Studies requirements, major requirements and other degree requirements. However it is the responsibility of the student, not the academic advisor, to ensure that all College graduation requirements are met.

Registration is for an entire course, and a student who begins a course must continue it except in unusual circumstances. Unless the student and his advisor consider it essential a student should not change his schedule after registration.

Auditing Courses

Persons who wish to attend certain courses regularly without doing the assigned preparation or receiving credit may do so with the approval of the Registrar. The cost is \$100 for each course.

Changes in Class and Schedule

The College reserves the right to cancel or discontinue any course because

of small enrollment or for other reasons deemed necessary. In order to assure quality instruction, the College reserves the right to close registration when the maximum enrollment has been reached. The College reserves the right to make changes in schedule and/or faculty when necessary.

Credit by Examination (Course Challenge)

A student may receive credit for a course not taken by demonstrating mastery of its subject matter. To challenge a course, a student must have the approval of the Dean of Academic Affairs, the chair of the department in which the course is offered, and the professor who will test mastery of the subject matter. Whenever possible, the student should consult the professor far enough in advance of the term in which the examination will be taken to determine course requirements and standards and to begin to make independent preparations. However, the student should expect no assistance from the professor other than being informed of the material to be covered on the examination. Under no circumstances shall a student be allowed to attend classes of the course being challenged. The cost for each examination is \$135.

Dropping Courses

In the fall and spring semesters, no student may drop a course with a passing grade after the weekday before mid-semester reports are due (see calendar); however, a course dropped with official permission of the Registrar prior to the time mid-semester grades are due will be graded WP (passing at time of withdrawal) or WF (failing at the time of withdrawal). A course dropped without official permission of the Registrar is automatically graded WF. Any exception to this policy is the responsibility of the Academic Dean's Office.

A student who withdraws from the College receives grades of WD (medical withdrawal); or WP, WF depending on his grades at the time of withdrawal.

Independent Study

Students may engage in independent study of catalog courses, special topics, and research projects. Independent Study is limited to honor students, juniors and seniors. A course may not be repeated by Independent Study. Details concerning the procedure for developing an independent study proposal may be obtained in the Registrar's Office.

Overload

A student whose cumulative grade point average is less than 3.00 may not register for overload hours in any term. See previous page on course load.

Pass/Fail Elective Courses

A student may take two one-semester courses outside the major, minor

and general studies requirements on a pass/fail basis. The pass/fail option is provided to encourage students to enrich their educational experience in subjects outside their major/minor fields and general studies requirements in which they may feel unable to maintain a desirable grade-point average. The decision to take a course pass/fail must be made at registration prior to the first class period.

Repeat Courses

Courses repeated within four semesters of attendance (excluding winter and summer sessions) following the first enrollment in the course count only once in computing the cumulative grade point average. In such cases the most recent grade is counted rather than any previous grade(s) received. However, a course repeated more than once will count in the cumulative grade point average each time it is repeated.

Attendance

Class Attendance

Since students must attend classes regularly in order to derive maximum benefit from their courses, the College strictly and fairly enforces policies governing classes, and students are responsible for knowing attendance regulations. Each department establishes its own attendance policy. If unwarranted absences occur, the Dean of Academic Affairs may suspend the student from the class or from the College.

Absence From Tests and Examinations

Students who miss scheduled tests and examinations without excusable reasons may not make up such assignments. Authorization to make up tests missed for excusable reasons is obtained from the professor of the class. Authorization to make up final examinations missed for excusable reasons is obtained from the Office of the Dean of Academic Affairs.

Grades and Reports

Grading System and Quality Points

Graduation is dependent upon quality as well as upon quantity of work done.

A student earns quality points as well as semester hours if his level of performance does not fall below that of a "D."

Letter grades are used. They are interpreted in the table below, with the quality points for each hour of credit shown at right.

Grade	Quality Points
A Superior	4
B Above average	3
C Average	2
D Below average	1
F Failure	0
I Incomplete	0
P Passing (not counted in cumulative average)	0
S Satisfactory (not counted in cumulative average)	0
U Unsatisfactory	0
WD Medical Withdrawal	0
WF Failing at time of withdrawal (counted in cumulative average)	0
WP Passing at time of withdrawal	0
NR No Report	0

Grades of "A," "B," "C," "D," and "F" are permanent grades and may not be changed except in case of error. After an instructor has certified a grade to the Registrar, he may change it before the end of the next regular grading period. The change must be made in writing and have the written approval of the department chairman.

An "I" grade signifies incomplete work because of illness, emergency, extreme hardship, or self-paced courses. It is not given for a student missing the final examination unless excused by the Dean of Academic Affairs upon communication from the student. The student receiving a grade of "I" completes all work no later than nine class days after mid-semester grades are due in the following semester. A final grade is submitted to the Registrar by the instructor the following Monday. After this date, the "I" grade automatically changes to "F" unless an extension is granted by the Dean of Academic Affairs.

Grade Point Average (GPA)

The grade-point average is computed by dividing the total quality points on work attempted at Elon College by the number of hours attempted except for courses with grades of P, S, WD or WP.

Grade Reports

Students are graded at mid-semester as well as at the end of each semester. Mid-semester grades serve as progress reports and are not entered on students' permanent records.

Dean's List

The purpose of the Dean's List is to recognize and encourage excellence in academic work. A student who has no grade below a "B" and a grade point average of at least 3.40 in a minimum of 12 semester hours in any

semester is placed on the Dean's List for the following semester. Classes passed on a Pass/Fail basis or classes with grades of S, WD, or WP are not included in Dean's List eligibility.

Graduation With Honors

A student who has completed at least 66 credit hours at Elon College may be graduated with honors. Candidates for graduation with an average of 3.90 or above are graduated summa cum laude; those with 3.70 or above, magna cum laude; and those with 3.4 or above, cum laude. In computing eligibility for honors, only work attempted at Elon College will be used.

Elon College provides a comprehensive Honors Program for all students of all majors. Emphasis is placed on honors courses, special academic advising, preparation for graduate school and special activities. Students who participate in the College Honors Program, complete a minimum of six Honors experiences and receive the recommendation of the Honors Advisory Committee, will receive "Honors Program" recognition at graduation.

Student Access to Educational Records

Elon College complies with the Family Educational Rights and Privacy Act of 1974. This Act is designed to protect the privacy of educational records, to establish the right of students to inspect and review their educational records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with The Family Educational Rights and Privacy Act Office (FERPA) concerning alleged failures by the institution to comply with the Act.

Institutional policy explains in detail the procedures to be used by the institution for compliance with the provisions of the Act. Copies of the policy can be found in the Office of the Registrar.

That office also maintains a Directory of Records which lists all student educational records maintained by this institution.

Questions concerning the Family Educational Rights and Privacy Act may be referred to the Office of the Registrar.

Transcripts of Student Records

Requests for copies of a student's record should be made to the Office of the Registrar. All transcripts will reflect the student's complete academic record. No transcripts will be issued without the written authorization of the student. No transcript will be issued for a student who has a financial obligation to the College.

Work at Other Institutions

Students who plan to take courses at other institutions during summer sessions or by correspondence must have the prior written permission of the Registrar. After completion of such courses, the student presents an official transcript of his record to the Registrar. The maximum credit permitted for correspondence instruction is twelve semester hours.

Academic Standards and Withdrawal

Academic Standing

Academic standing is determined by the earned grade point average for any one semester of attendance and for cumulative work. A student whose cumulative grade point average falls below 2.00 is reviewed by the Academic Standing Committee and placed on Academic Warning, Academic Probation or Academic Suspension.

Warning— Students are notified that their grade point average is below 2.00 and that they are expected to show significant improvement in their next semester or term.

Probation— Students are notified that their grade point average is below 2.00, that they are limited to a maximum load of 13 semester hours, and that unless there is significant academic progress, suspension will result.

Suspension— Students are separated from Elon College and one academic semester must elapse before they are eligible for readmission.

In order to continue at the College a student must earn a minimum grade point average each semester of 1.00 and at the end of spring semester have a cumulative grade point average as follows:

Freshman	1-26 sem. hrs. completed	1.60
Sophomore	27-59 sem. hrs. completed	1.60
Junior	60-92 sem. hrs. completed	1.80
Senior	93 sem. hrs. completed	2.00

Any student failing to meet these guidelines will be academically ineligible for the next semester and suspended from the College. During the suspension period (to include a Fall or Spring Semester) the student may apply for readmission and, if readmitted, will be placed on academic probation. A student who is suspended a second time for academic reasons is normally not readmitted to the College.

Dismissal

The College reserves the right to suspend or dismiss any student or students when it believes that such action is in the best interest of the institution and/or the student(s). This action will take place only after careful consideration with the student or students in question and all other parties with information pertinent to the matter at hand.

Withdrawal

If a student for any reason concludes that he/she must leave the College on a temporary or long term basis, he/she must confer with the Offices of the Dean of Student Affairs and the Dean of Academic Affairs to formalize plans. Faculty will be requested to report student progress in class at the time of withdrawal by indicating either a WP or WF grade. The official record of the student cannot be cleared until the withdrawal is complete.

Graduate Degree Requirements

Degrees and Major Fields

Master of Business Administration (MBA)

Master of Education (M.Ed. in Elementary Grades and Middle Grades)

MASTER OF BUSINESS ADMINISTRATION (MBA)

Elon College offers an opportunity for individuals to earn a Master of Business Administration (MBA) degree while continuing their careers. All courses are taught in the evenings (fall, spring and summer). During fall and spring semesters, students may take from one to four courses.

Admissions Policy

The MBA admissions policy is designed to select students who have demonstrated both academic ability and managerial promise. Each application is considered in the light of all completed academic work, the Graduate Management Admission Test score, evidence of leadership and motivation, work history, level of responsibility, and letters of recommendation.

Basic Requirements

1. Earned baccalaureate degree from an accredited college or university.
2. Strong undergraduate record.
3. Test score from GMAT taken within last five years.
4. Completed application, including three letters of reference.

MBA Degree Requirements

1. Completion of prerequisite courses specified under Foundation Studies.
2. Overall minimum grade point average of 3.0 in graduate studies.
3. Completion of 36 graduate hours (12 courses) within six calendar years.
4. Completion of the last six semester hours at Elon College.
5. Application for graduation by the dates published by the Registrar.
6. Participation in Commencement exercises, except for those completing requirements during Summer School.

Program of Study

Foundation Studies in accounting, economics, statistics, or computer science may be necessary for some applicants. In such cases, the Director of the MBA program will specify one or more undergraduate courses to become part of the student's Program of Study. These judgments are based upon an evaluation of transcripts and career experience; in no case, however, will more than four foundation courses be specified.

The **Core Curriculum** consists of the following six 500-level courses. The Core Curriculum is required of all MBA students.

ECO	511	Advanced Statistical Analysis	3 semester hours
BA	512	Quantitative Decision Methods	3 semester hours
ECO	513	Managerial Economics	3 semester hours
ACC	514	Managerial Accounting	3 semester hours
BA	515	Financial Management	3 semester hours
BA	516	Marketing Management	3 semester hours

Electives consist of five 500-level courses that include:

BA	521	Organizational Behavior	3 semester hours
BA	522	Organizational Development and Theory	3 semester hours
BA	523	Business Communications	3 semester hours
BA	524	Operations Management	3 semester hours
BA	525	Management Information Systems	3 semester hours
BA	526	Business and Society	3 semester hours
BA	527	Legal Environment of Business	3 semester hours
BA	528	International Business	3 semester hours
BA	571	Special Topics	3 semester hours

A **Capstone** course in Business Policy, BA 565, is required to be taken near the end of the student's program.

Program Guidelines. The following three guidelines should be used in planning a Program of Study.

1. Any needed/required Foundation Studies courses and ECO 511, BA 512, ECO 513, ACC 514, BA 515 and BA 516 should be scheduled early in the program.
2. The latter stages of the Program of Study should be heavily weighted with electives.
3. The Business Policy course (BA 565) should culminate the program.

Course Load. Students may enroll in one to four courses in fall and spring semesters. Students who are employed full-time should not register for more than two courses at a time. At least two courses will be scheduled during the summer months. There will be no MBA courses scheduled during the College's three-week Winter Term.

Students normally begin the program in September, but entry during spring semester or summer school is possible. While it is possible to complete the requirements in one and one-half years, most students will take two or three years.

Course Schedules. During the fall and spring semesters, 500-level classes will be scheduled during evening periods as follows:

Period One	5:30-7:20 p.m.	Mon. through Thurs.
Period Two	7:30-9:20 p.m.	Mon. through Thurs.

Any given course will meet twice a week, either Period One or Period Two, on a Monday-Wednesday or Tuesday-Thursday cycle. Foundations Studies

courses also meet twice weekly, Monday-Wednesday or Tuesday-Thursday, but the time periods are shorter.

For an application and more information about the MBA program, please contact the Elon College Office of Graduate Admissions.

MASTER OF EDUCATION (M.Ed.)

Elon College offers an opportunity for individuals to earn a Master of Education (M.Ed.) degree while continuing their careers. All courses are taught in the evenings (fall and spring) and in the daytime during summer school.

Admissions Policy

The M.Ed. admissions policy is designed to select students who have demonstrated both academic and teaching ability. Each application is considered in the light of all completed academic work, test scores from the Graduate Record Examination or the Miller Analogies Test, evidence of leadership and motivation, possession of a recognized teaching credential and letters of recommendation.

Basic Requirements

1. A bachelor's degree from a college or university accredited by the Southern Association of Colleges and Schools or a recognized regional accrediting association.
2. A 2.5 GPA overall for undergraduate work, or 3.0 GPA for the last 60 semester hours or 3.0 GPA in the major courses.
3. Official transcripts of all undergraduate and any graduate studies undertaken.
4. A recognized teaching certificate. (Candidates must have met undergraduate requirements for North Carolina Initial Certification or higher before being recommended for graduate certification.)
5. A satisfactory score on the general portion of the Graduate Record Examination or on the Miller Analogies Test taken within five years prior to application.
6. Three written references.
7. A written statement of educational and professional goals.

M.Ed. Degree Requirements

1. Completion of courses specified under program study.
2. Overall grade point average of 3.0 or higher.
3. Completion of 30 graduate hours (10 courses) within six calendar years.
4. Satisfactory performance on a written comprehensive examination.
5. Final six semester hours to be taken at Elon College.
6. Participation in commencement exercises, except for those completing requirements during Summer School.

Programs of Study for Elementary Grades and Middle Grades

All students are required to take the courses in the core curriculum. In addition to the core curriculum, students in the area of Elementary Education complete Education 521, 530, and select three courses from Education 520, 522, 540, 550, 571, 591, Math 521, 523, Science 560, 561, and 562. In addition to the core curriculum, students in the Middle Grades program are required to complete Education 525, 526, and three courses from the following subject areas in which the student has a concentration(s) for Middle Grades Certification: Mathematics 521, 522, 523, 571; Science 560, 561, 562, 571; Social Studies 531, 541, 546, 571; and Education 571; Communication Skills—Education 530, 540, 551, 571; or HPEL 511, 512, 516, 517, 571.

Core Curriculum—Elementary and Middle Grades

Education	511	Advanced Foundational Studies: Philosophical, Sociological and Historical Perspectives	3 sem. hrs.
Education	514	Clinical Supervision: Theory and Practice	3 sem. hrs.
Education	515	Educational Testing and Measurement	3 sem. hrs.
Education	516	Educational Research	3 sem. hrs.
Psychology	515	Adv. Psychological Theory in the Classroom	3 sem. hrs.

Additional Requirements Elementary Education (K-6)

Education	521	Survey of Elementary Curriculum: Development and Content	3 sem. hrs.
Education	530	Diagnosing and Remediating Reading Difficulties	3 sem. hrs.

Electives: Select three courses

Education	520	Investigation and Trends in the Teaching of Elementary School Science	3 sem. hrs.
Education	522	Communication Skills in the Elementary School	3 sem. hrs.
Education	540	Literature for Children and Youth: Analysis and Application	3 sem. hrs.
Education	550	Meeting Special Learning Needs of Children	3 sem. hrs.
Education	571	Trends in Teaching Social Studies (K-9)	3 sem. hrs.

Education	591	Independent Study	3 sem. hrs.
Mathematics	521	Math Concepts for the Elem. & Middle Grades School Teacher	3 sem. hrs.
Mathematics	523	Computers in the Elementary and Middle Grades Classroom	3 sem. hrs.
Science	560	Advanced Physical Science for Elem. & Middle Grades Teachers	3 sem. hrs.
Science	561	Advanced Earth-Science for Elem. & Middle Grades Teachers	3 sem. hrs.
Science	562	Advanced Biological Science for Elem. & Middle Grades Teachers	3 sem hrs.

Additional Requirements**Middle Grades Education (6-9)**

Education	525	Effective Middle Grades Teaching	3 sem. hrs.
Education	526	Preadolescent Development: Implications for Education	3 sem. hrs.

Select three courses from the subject areas listed below in which the student has a concentration(s) for Middle Grades certification:

Mathematics	521	Mathematical Concepts for the Elementary and Middle Grades School Teacher	3 sem. hrs.
Mathematics	522	Geometry for the Middle Grades School Teacher	3 sem. hrs.
Mathematics	523	Computers in the Elementary and Middle Grades Classroom	3 sem. hrs.
Mathematics	571	Seminar: Special Topics	3 sem. hrs.
Science	560	Advanced Physical Science for Elementary and Middle Grades Teachers	3 sem. hrs.
Science	561	Advanced Earth-Space Science for Elementary and Middle Grades Teachers	3 sem. hrs.
Science	562	Advanced Biological Science for Elementary and Middle Grades Teachers	3 sem. hrs.
Science	571	Seminar: Special Topics	3 sem. hrs.
Social Studies	531	Advanced Studies in American Government	3 sem. hrs.
Social Studies	541	Special Topics in Economics	3 sem. hrs.
Social Studies	546	North Carolina in the Nation	3 sem. hrs.
Social Studies	571	Seminar: Special Topics	3 sem. hrs.
Education	530	Diagnosing and Remediating Reading Difficulties	3 sem. hrs.

Education	540	Literature for Children and Youth; Analysis and Application	3 sem. hrs.
Education	551	Enhancing Oral and Written Communication	3 sem. hrs.
Education	571	Trends in Teaching Social Studies (K-9)	3 sem. hrs.
Education	591	Independent Study	3 sem. hrs.
HPEL	511	Physical Education Curriculum: Theory and Content	3 sem. hrs.
HPEL	512	Analysis of Teacher Behavior	3 sem. hrs.
HPEL	516	Administration of Physical Education and Athletics: Theory and Practice	3 sem. hrs.
HPEL	517	Research in Physical Education and Athletics	3 sem. hrs.
HPEL	571	Seminar: Current Issues in Physical Education and Athletics	3 sem. hrs.

Course Load. Students may enroll in a maximum of three courses during fall and spring semesters. Students who are employed full-time may not register for more than two courses each semester. Courses are also scheduled during the summer months.

Course Schedules. During the fall and spring semesters classes will be scheduled during the evening hours as follows:

Monday	5:30-8:30 p.m.
Tuesday	5:30-8:30 p.m.
Wednesday	5:30-8:30 p.m.

Summer School terms will be planned to accommodate working schedules of the public school teachers.

For an application and more information about the M.Ed. program, please contact the Elon College Office of Graduate Admissions.



Courses of Instruction

Courses of Instruction

The departments of instruction are organized into four general divisions. These include areas of learning arranged as follows:

Division of Humanities	Art, Dance, English, Fine Arts, Journalism, Languages, Communications, Music, Philosophy, Religion, Theatre, Women's Studies
Division of Sciences and Mathematics	Biology, Chemistry, Computing Sciences, Mathematics, Physics, and Medical Technology
Division of Social Sciences	Accounting, Business Administration, Economics, Geography, History, Human Services, Political Science, Public Administration, Cooperative Education, and Sociology
Division of Education	Education, Health Education, Leisure/Sports Management, Physical Education, Psychology, and Military Science

Courses numbered 100-199 are on the freshman level, 200-299 on the sophomore level and 300 and above on the junior-senior level.

ACCOUNTING / The Martha and Spencer Love School of Business

Dean of Love School of Business: Professor Tiemann

Chair, Department of Accounting: Associate Professor Brooks

Associate Professor: McGregor

Assistant Professors: Cox, Gibney, Caldwell

To major in Accounting a student must be admitted to the Love School of Business, generally after the sophomore year. Admission is required before 300-400 level Accounting courses can be taken. To be admitted, a student must:

- (1) attain junior status and satisfy college standards for continued enrollment;
- (2) complete the following courses with an overall 2.00 average: English 111, 112; Math 111 (or competency) and either Math 165 or 121; Economics 211, 212, and 246; Accounting 211, 212; and Information Systems 116.

In addition to the admission requirements of the Love School of Business, a major in Accounting requires Accounting 331, 332, 336, 337, 341, 451, 452, and 456; Business Administration 321, 323, 343, 418, 424 and Economics 347.

A minor in Accounting requires Accounting 211, 212, 331, 332, and two other Accounting courses.

211. FINANCIAL ACCOUNTING PRINCIPLES

3 semester hours

An introduction to double-entry accounting with emphasis upon conceptual framework; the structure of the accounting profession; and the recording, analysis, and external reporting of financial data. Income measurement and financial position of proprietorships, partnerships, and corporations are discussed.

212. MANAGERIAL ACCOUNTING PRINCIPLES

3 semester hours

An introduction to the preparation and utilization of financial data for internal management decision making. Cost-volume-profit analysis, relevant costs, budgeting, and the fundamentals of cost accounting are given emphasis. Prerequisite: ACC 211.

331. INTERMEDIATE ACCOUNTING I

3 semester hours

A detailed treatment of the technical accounting considerations involved in the determination of income and financial position of business entities. The construction of the major financial statements is discussed, and accounting procedures and the working of accounting exercises are stressed. Prerequisite: Admission to Love School of Business. Fall semester only.

332. INTERMEDIATE ACCOUNTING II

3 semester hours

A continuation of the financial accounting considerations begun in ACC 331, with emphasis upon the liabilities and owners equity sections of the balance sheet; complex inventory valuation methods; and intangible assets. Prerequisite: ACC 331. Spring semester only.

336. COST ACCOUNTING

3 semester hours

The purposes, concepts, and procedures for generating production cost data. Concentration will be upon job order, process, and standard cost systems. Interpretation of the data in each system will be presented, including direct costing and C—V—P analysis. Prerequisite: Admission to Love School of Business.

337. CORPORATE TOPICS IN ACCOUNTING

3 semester hours

Complex issues in financial accounting with emphasis upon corporate capital structure. Also included are pension plan accounting; capital leases; accounting for income taxes; and statement of change in financial position. Prerequisite: ACC 332. Fall semester only.

341. BASIC TAXATION

3 semester hours

An introduction to the basic structure of the federal tax system. Emphasis is placed upon the fundamental theories, procedures, and rationale of the individual income tax. Prerequisite: Admission to Love School of Business.

442. ADVANCED TAXATION

3 semester hours

Advanced topics in federal taxation. Such topics as capital gains, tax-deferred transactions, the minimum tax, the investment credit, the taxation of corporations, and the estate and gift tax are given emphasis. Prerequisite: ACC 341.

451. ADVANCED ACCOUNTING I

3 semester hours

Course builds upon the foundation of Intermediate Accounting I and II. Analyzes business combinations, consolidated financial statements, and governmental and nonprofit accounting. Prerequisite: ACC 332. Fall semester only.

452. ADVANCED ACCOUNTING II

3 semester hours

Specialized accounting problems. Partnerships, corporate liquidations, estates and trusts, and accounting for foreign operations are emphasized. Prerequisite: ACC 451. Spring semester only.

456. AUDITING

3 semester hours

Auditing theory and practice, working papers, financial statements, and professional ethics. Emphasis on auditing standards, statistical compliance testing, and substantive testing. Prerequisite: ACC 332. Spring semester only.

471. SEMINAR: SPECIAL TOPICS

1-3 semester hours

Advanced study consisting of reading problems, reports, discussions of current topics, or CPA

review. Participation by students, departmental faculty, and other resource persons.

481. INTERNSHIP IN ACCOUNTING

1-3 semester hours

491. INDEPENDENT STUDY

1-3 semester hours

ART

Chair, Department of Fine Arts: Professor Myers

Assistant Professor: Sanford

Part-time Instructors: J. Henricks, Kinard

A minor in Studio Art requires 21 hours including Art 131, 221, 223, 232 and 491 (3 semester hours); six semester hours selected from 230, 233, 234, 235, 330, 333, 334, 335 or 491.

110. Introduction to Studio Art

3 semester hours

An introductory level class for students with little or no studio experience. This course does not count toward the minor in Art.

131. 2-D Design

3 semester hours

A basic course in the fundamentals of design with emphasis on two-dimensional media. 1 hour of lecture and 5 studio hours. Material fee: \$15.00.

221. History of Art: Pre-History Through Middle Ages

3 semester hours

Historical survey of the major visual arts from the era of pre-history through the middle ages. Emphasis is on major artistic styles, their origin and development; major works of art and their creators.

223. History of Art: Renaissance to the present

3 semester hours

Historical survey of the major visual arts from the Renaissance to the present. Emphasis on major artistic styles, their origin and development, major works of art and their creators.

230. Ceramics I

3 semester hours

Techniques of working with clay in the production and firing of pottery. Experience in hand-building and throwing pieces on the potter's wheel. 1 hour of lecture and 5 studio hours. Materials Fee: \$15.00.

231. 3-D Design

3 semester hours

A continued study of the fundamentals of design with emphasis on three-dimensional media. 1 hour of lecture and 5 studio hours. Materials fee: \$15.00.

232. Drawing

3 semester hours

Basic course in the fundamentals of drawing and composition using various media. 1 hour of lecture and 5 studio hours. Materials fee: \$15.00.

233. Painting I

3 semester hours

Experimental studies in the techniques of painting and composition using various media. Prerequisite 131 or 232. Materials fee: \$15.00.

234. Watercolor I

3 semester hours

Experimental studies in the various techniques of painting with watercolor. 1 hour of lecture and 5 studio hours. Prerequisite: Art 131 or 232. Materials fee: \$15.00

235. Graphics I

3 semester hours

The development of creative ability and technical skill in the graphic media of linoprint, woodcut and intaglio. Prerequisite: Art 131. 1 hour of lecture and 5 studio hours. Materials fee: \$15.00.

237. Photography

3 semester hours

The course covers the basic operation of the camera and the dark room as well as the aesthetic consideration of photography as a fine art. A lab is attached to the course. Students must have a 35 mm camera. Lab fee of \$30.

320. Studies in Art History**3 semester hours**

A typically oriented class which covers in depth a particular period, style, or theme in the history of art.

330. Ceramics II**3 semester hours**

A continuation of 230, which is a prerequisite. Materials fee: \$15.00.

333. Painting II**3 semester hours**

A continuation of Art 233, which is a prerequisite. 1 hour of lecture and 5 studio hours. Materials fee: \$15.00.

334. Watercolor II**3 semester hours**

A continuation of Art 234, which is a prerequisite. Materials fee: \$15.00.

335. Graphics II**3 semester hours**

A continuation of Art 235, which is a prerequisite. Materials fee: \$15.00.

368. Art in the Elementary School**2 semester hours**

This course provides the Elementary Education major with the methods and materials, principles, and fundamentals of visual arts in the Elementary classroom. This course cannot be counted toward the minor in Art. *Enrollment is limited to Elementary Education majors of at least junior standing.* Material fee: \$10.00.

481. Internship in Art**1-3 semester hours****491. Studio Problems****1-3 semester hours**

Individual study and experimentation. *Open only by the permission of Art faculty.* Maximum credit allowed toward a degree is 6 hours.

BIOLOGY

Chair, Department of Biology and Allied Health: Professor H. House
Professor: Rao

Associate Professors: N. Harris, Fields

Assistant Professor: Sissom, Gallucci

A major in Biology requires Biology 111, 113, 221, 222, 322, 345, 452, 461, 462 and at least 6 additional semester hours in Biology above the 100 level; Physics 111, 112, 115, 116; Chemistry 111, 112, 113, 114 and 321, 322. Students planning to teach in secondary school should refer to Science Education for requirements.

A minor in Biology requires Biology 111 and 113 plus five additional Biology courses above the 100 level.

111. BASIC CONCEPTS IN BIOLOGY**3 semester hours**

A concepts approach that integrates basic biological chemistry, bioenergetics, cell structure and function, reproduction, inheritance, evolution and ecology. Biology 113 should be taken concurrently to satisfy the 4 hour lab/science requirement.

113. LAB FOR BASIC CONCEPTS IN BIOLOGY**1 semester hour**

This course is designed to provide the lab experience for the lecture course Biology 111. Biology 111 should be taken concurrently to satisfy the 4 hour lab/science requirement.

121. BIOLOGICAL DIVERSITY**3 semester hours**

A basic study of the world around us as seen through biological diversity and a survey of plant and animal biology. This course will emphasize the importance of diversity to our existence and provide basic knowledge of the structure and function of plants and animals as well as interactions between them and human existence.

161. HUMAN ANATOMY**4 semester hours**

A study of the human anatomy with emphasis in the areas of skeleton, muscle, nerves, endocrine, heart, blood, respiration, digestive, and urinary aspects. 3 class hours, 1 laboratory per week.

162. HUMAN PHYSIOLOGY**4 semester hours**

A study of human physiology with emphasis in the areas of skeleton, muscle, nerves, endocrine, heart, blood, respiration, digestion and urinary aspects. 3 class hours, 1 laboratory per week.

181. BIOLOGY LAB TECHNIQUES**2 semester hours**

A training course for prospective lab assistants. Skills taught include lab procedures, materials preparation and grading procedures.

221. GENERAL ZOOLOGY**4 semester hours**

A survey of the animal kingdom with emphasis on selected vertebrates and invertebrates, including basic concepts of morphology, anatomy, physiology and taxonomy. 3 class hours, 1 laboratory per week. Prerequisite: BIO 111.

222. GENERAL BOTANY**4 semester hours**

A survey of the plant kingdom with emphasis on vascular plants. Topics covered are general morphology, anatomy, physiology of metabolism and growth, economic importance, and identification. 3 class hours, 1 laboratory per week. Prerequisite: BIO 111.

301. ENVIRONMENTAL CONSERVATION**3 semester hours**

An interdisciplinary study of the interrelationships of man and the environment. Social, economic, ethical and political aspects of man's impact on environment are studied. Prerequisite: A previous lab course.

311. COMPARATIVE VERTEBRATE EMBRYOLOGY**4 semester hours**

The developmental process with emphasis on gametogenesis, differentiation, organogenesis, and morphogenic patterns of development as it occurs in the frog, chick, and a mammal. 3 class hours, 1 laboratory per week. Prerequisite: BIO 221. Offered alternate years.

312. COMPARATIVE VERTEBRATE ANATOMY**4 semester hours**

A comprehensive, comparative study of chordate anatomy with emphasis on evolution and morphology of systems. Lower chordates and vertebrates are used in dissection and study. 3 class hours, 1 laboratory per week. Prerequisite: BIO 221. Offered alternate years.

321. MICROBIOLOGY**4 semester hours**

A general survey of microorganisms with emphasis on bacteria, their cytophysiological characteristics and classification, viruses, microbial diseases and immunity, and the role of microorganisms in human affairs. 3 class hours, 1 laboratory per week. Prerequisites: BIO 111, 113 and CHM 111, 112.

322. CELL BIOLOGY**4 semester hours**

Structure of Prokaryotic and Eucaryotic Cells. Structure and function of subcellular components. Mechanisms of cellular reproduction, respiration, photosynthesis and protein synthesis are covered. Also discussed are cellular differentiation, growth and development, molecular genetics and general properties of viruses. 3 class hours and 1 laboratory per week. Prerequisites: BIO 111, 113 and CHM 321, 322.

325. HUMAN HISTOLOGY**4 semester hours**

A survey of the tissues of the human body with emphasis upon the cardiovascular, alimentary, respiratory, urinary and reproductive systems. Tissue identification and the relationship of microanatomy to physiology are stressed. 3 class hours, 1 laboratory per week. Prerequisites: BIO 111 and BIO 221. Offered alternate years.

335. FIELD BIOLOGY**4 semester hours**

A field-oriented course, restricted to selected taxa, environments, or biological phenomena as they exist in nature. In-depth field studies may include identification, classification, life histories and interrelationships of selected organisms. Offered during winter and/or summer terms.

341. ANIMAL PHYSIOLOGY**4 semester hours**

Emphasizes the functions, regulatory processes and responses occurring in the organ systems of the animal body. 3 class hours, 1 laboratory per week. Prerequisites: BIO 221, CHM 111, 112. Offered alternate years.

342. PLANT PHYSIOLOGY**4 semester hours**

A study of the life processes of plants. Topics include photosynthesis, mineral nutrients, movement of materials, plant growth substances, and senescence. 3 class hours, 1 laboratory per week. Prerequisites: BIO 222, CHM 111.

345. GENETICS**4 semester hours**

An introduction to the Mendelian and molecular principles of genetics and the applications of these principles to the modern world. 3 class hours, 1 laboratory per week. Prerequisites: BIO 111, 221 or 222, CHM 111, 112 or permission of instructor.

391. RESEARCH**1 or 2 semester hours**

Library and laboratory or field research by the individual student under the direction of the departmental faculty. Open to students at all levels. Maximum total credit, 8 semester hours. Prerequisite: permission of the Biology staff.

425. BIOCHEMISTRY**3 semester hours**

A survey of biochemistry as it relates to the physiology of organisms. Topics include: biochemical methodology; pH buffers and water; protein structure, function and synthesis; enzymes; bioenergetics; anabolism and catabolism of carbohydrates and lipids; metabolic regulation. Prerequisites: BIO 221 or 222, CHM 321-324 or permission of instructor. Offered alternate Fall Terms. (BIO 425 is the same as CHM 425.)

426. LAB FOR BIOCHEMISTRY**1 semester hour**

Designed to provide students with laboratory experience in bioassay procedures, methods for separating, isolating, and identifying lipids, fatty acids, amino acids, simple and complex proteins. 3 laboratory hours. Corequisite: BIO 425.

452. GENERAL ECOLOGY**4 semester hours**

A study of the interrelationships of organisms with their biotic and abiotic environments. Ecological principles at the population, community and ecosystem levels are discussed. 3 lecture hours, 1 laboratory hour per week. Prerequisites: Senior standing or permission of instructor.

461. SEMINAR I**2 semester hours**

Instruction and experience in extensive literature search and formal oral presentation of current information concerning a specific biological topic of interest. Restricted to junior and senior biology majors or by permission of the instructor. Offered each fall.

462. SEMINAR II**2 semester hours**

A capstone biology experience to be met by one of the following options: (1) a course in which students integrate experience with published research to lead a discussion of a biological topic. (2) A research project with a biology faculty member. (3) An internship or Co-op experience. All options include a formal paper and presentation. Offered each Spring.

481. INTERNSHIP IN BIOLOGY**1-3 semester hours**

BUSINESS ADMINISTRATION / The Martha and Spencer Love School of Business

Dean of Love School of Business: Professor Tiemann

Professor: Weavil

Associate Professors: Baxter, McClellan, Mitchell, Behrman

Assistant Professors: O'Mara, Peterson, Synn

To major in Business Administration a student must be admitted to the Love School of Business, generally after the sophomore year. Admission is required before most 300-400 level Business Administration courses or

Economics 321 can be taken. To be admitted, a student must:

- (1) attain junior status and satisfy college standards for continued enrollment;
- (2) complete the following courses with an overall 2.00 average: English 111, 112; Math 111 (or competency) and either Math 165 or 121; Economics 211, 212, and 246; Accounting 211, 212; Information Systems 116.

In addition to the admission requirements of the Love School of Business, a major in Business Administration requires Business Administration 311, 321, 323, 328, 343, and 465; Economics 321; completion of one of the following emphasis areas: Finance—Business Administration 413, 421; Economics 331; Management—Business Administration 424, 425, 426; Marketing—Business Administration 414, 415, 417; one additional 300-400 level 3 semester hour course in Business Administration, Economics, or Accounting must also be completed.

A minor in Business Administration requires Business Administration 311; 323 or 303; Accounting 211, 212; Economics 211, 212.

The College offers a *Master of Business Administration* program which requires 36 semester hours of graduate work. Students are encouraged to apply regardless of undergraduate major. For requirements and policies please refer to pages 60-61 or the Graduate Catalog.

302. BUSINESS COMMUNICATIONS

3 semester hours

Study of the theory and principles of good oral and written communications. Provides instruction and practice in writing business reports, letters, and memoranda.

303. INTRODUCTION TO MANAGING

3 semester hours

Examination of universal business processes applied by all organizations including not-for-profit and government. These include: goal setting, planning, decision making, motivation, human resource management, control. Credit will not be given for both BA 303 and BA 323.

311. PRINCIPLES OF MARKETING

3 semester hours

The forces involved in the flow of goods from the point of production to the point of consumption, and the channels of distribution. The interest of the consumer; the marketing function; commodity, agricultural and industrial marketing; merchandising considerations; price policies; and governmental regulation of competition. Prerequisite: ECO 212.

321. LEGAL ENVIRONMENT OF BUSINESS

3 semester hours

A survey of the laws governing business operations, with emphasis on basic commercial law, forms of business organization, public regulation of business, employment law, environmental law, consumer protection, administrative law, and business ethics. For business and accounting majors. Prerequisite: Admission to the Love School of Business.

323. PRINCIPLES OF MANAGEMENT

3 semester hours

An introduction to the precepts expounded by the classical, the scientific and the behavioral management approaches, with particular emphasis on organization and qualitative decision theory. Credit will not be given for both BA 303 and BA 323. Prerequisite: Admission to the Love School of Business.

328. ORGANIZATIONAL BEHAVIOR

3 semester hours

Emphasis upon individual behavior in the workplace as it is affected by the nature of the organizational structure, group memberships and individual interactions. Prerequisite: BA 303 or 323.

341. FINANCIAL INTERMEDIARIES

3 semester hours

A study of the major types of financial institutions, with emphasis placed upon asset and liability

structure and management. In addition to banks and savings and loan associations, intermediaries such as brokerage firms, mortgage banking companies, pension plans, and casualty insurance companies are studied. Prerequisite: Admission to the Love School of Business.

343. MANAGERIAL FINANCE

3 semester hours

A study of corporate managerial functions from the finance perspective. The course surveys the principal elements of modern financial management. These include: Financial Analysis and Control; Working Capital Administration; Capital Budgeting; Valuation Theory; Capital Structure and Leverage; and Debt and Equity Instruments. Prerequisite: Admission to the Love School of Business.

351. FUNDAMENTALS OF REAL ESTATE

3 semester hours

A survey of contemporary practices, issues, and analyses from several disciplines—economics, finance, marketing, and law—as they relate to the use of land and buildings. Prerequisites: ACC 211, 212; ECO 211, 212, or permission of instructor.

413. ADVANCED MANAGERIAL FINANCE

3 semester hours

An in-depth study of financial management from the perspective of valutive theory. The topics of security evaluation and capital budgeting are discussed within the framework of the Capital Asset Pricing Model. Cost of capital, capital structure, and leverage are related to valuation concepts; and long-term financing includes studies of leasing as well as warrants, convertibles, and options. Valuation impacts of mergers and reorganizations are included. Prerequisite: BA 343. Spring semester only.

414. MARKETING RESEARCH

3 semester hours

An application of research methods to the marketing functions. Emphasis is placed upon gathering and analyzing market data, and the relationship of findings to the decision-making process of the firm. Prerequisites: Admission to the Love School of Business and BA 311.

415. ADVERTISING

3 semester hours

The organization and functions of advertising. Topics include economic and social aspects, planning the campaign, creating the message, media, and measuring the effectiveness of advertising. Prerequisite: BA 311.

416. FUNDAMENTALS OF INSURANCE

3 semester hours

The basic principles underlying insurance contracts and the scope of coverage under the several divisions of insurance including life, fire, casualty, marine, bond and automobile insurance.

417. MARKETING CHANNELS

3 semester hours

An in-depth analysis of the structures and functions of the middleman. Emphasizing channel management, performance and strategy, the course explores the relationships, problems and developing interfaces between manufacturers, wholesalers and retailers. Prerequisites: Admission to the Love School of Business and BA 311.

418. COMMERCIAL LAW

3 semester hours

A technical study of the American legal system. Principal topics are the Uniform Commercial Code provisions governing contracts, sales, and commercial paper; creditors rights; and the law of wills and trusts. For accounting majors only. Prerequisite: BA 321.

421. INVESTMENT PRINCIPLES

3 semester hours

Designed to enable investors to manage a fund according to a predetermined objective. Emphasis on the factors of safety, income, and marketability; diversification and vigilance; and the bases of analysis of company management and industry trends to determine the present and prospective values of securities. Prerequisite: BA 343. Fall semester only.

422. BUSINESS AND SOCIETY

3 semester hours

Relationship of the organization to its social and legal environment; interaction of firms, customers, and agencies of the federal, state and local governments; environmental effects on individuals and the general economy; the firm as a citizen.

424. OPERATIONS RESEARCH

3 semester hours

The application of the scientific method and quantitative techniques to the analysis and solu-

tion of managerial decision problems. Focus is on system's approach with reliance on mathematical models and methods and knowledge from several disciplines. Prerequisite: Admission to the Love School of Business and BA 323; or senior standing in Computer Science or Computer Information Systems.

425. PERSONNEL ADMINISTRATION **3 semester hours**

A study of the basic personnel practices, objectives, functions and organization of personnel programs. Topics include job evaluation, selection and placement, testing, promotion, compensation, training, safety and health, and employee relationships. Prerequisite: BA 303 or BA 323.

426. PRODUCTION AND OPERATIONS MANAGEMENT **3 semester hours**

Principles of management applied to production systems. Main emphasis is given to production capacity planning; job design; standards and work measurement; scheduling; quality control; and inventory management. Prerequisite: BA 424.

445. SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT **3 semester hours**

Application of analytical tools and techniques used in appraising the national economy as well as specific industries and companies. Emphasis is on securities markets as viewed by managers of institutional portfolios or individuals managing a personal portfolio. Prerequisite: BA 343.

465. BUSINESS POLICY **3 semester hours**

A business capstone course intended to integrate the student's background, experiences, and previous business core and major business curriculum through case studies and business decisions simulation exercises. Prerequisites: BA 311, 323, 328, 343, and senior status.

471. SEMINAR: SPECIAL TOPICS **1-3 semester hours**

Advanced study consisting of readings, and discussion of special topics. Participation by students, faculty, and other resource persons.

481. INTERNSHIP IN BUSINESS ADMINISTRATION **1-3 semester hours**

491. INDEPENDENT STUDY **1-3 semester hours**

CHEMISTRY

Chair, Department of Chemistry: Professor E. Grimley

Professor: Danieleley

Associate Professor: Agnew

Assistant Professors: Gooch, Wright

Instructor: J. Grimley

A major in Chemistry resulting in the A.B. degree requires Chemistry 111, 112, 113, 114, 221, 222, 321, 322, 323, 324, 411, 421, 471 (1 semester hour); Mathematics 121; Physics 111, 112, 115, 116 (or Physics 113, 114, 115, 116); and Computing Sciences 130.

A major in Chemistry resulting in the B.S. degree requires Chemistry 391 (5 semester hours), 412 and 492 (1 semester hour), in addition to the requirements for the A.B. degree described in the preceding paragraph.

101. BASIC CONCEPTS IN CHEMISTRY **3 semester hours**

A course designed to meet partially the general mathematics-science requirement of the College. Atomic structure, radiochemistry, chemical changes, descriptive chemistry, chemistry of selected elements, introduction to organic chemistry, home and environmental chemistry. 3 class hours. No credit given to students having prior credit for Chemistry 111. No credit toward the Chemistry major or minor.

102. LAB FOR BASIC CONCEPTS IN CHEMISTRY **1 semester hour**

This course provides the lab experience for and is to be taken concurrently with Chemistry 101. 2 laboratory hours. No credit toward the Chemistry major or minor.

103. BASIC CONCEPTS IN GEOLOGY**3 semester hours**

A topics approach which includes the nature and origin of rocks and minerals; origins of mountains; soil development, evolution of the landscape. 3 class hours. No credit toward the Chemistry major or minor.

104. LAB FOR BASIC CONCEPTS IN GEOLOGY**1 semester hour**

This course provides the lab experience for and is to be taken concurrently with Chemistry 103. 2 laboratory hours. No credit given toward the Chemistry major or minor.

110. INTRODUCTION TO CHEMISTRY**3 semester hours**

Designed to provide the basic knowledge and skills which the student will need in Chemistry 111, 112. Recommended for students with little or no high school preparation in chemistry or meager background in mathematics. No credit given to students having prior credit for Chemistry 101 or 111. No credit toward Chemistry major or minor.

111, 112. GENERAL CHEMISTRY I AND II**3 semester hours each semester**

Fundamental principles of inorganic, physical, and experimental chemistry. Atomic structure as it is related to the classification of the elements and the nature of their compounds. The more common elements and compounds are considered, and organic chemistry is studied briefly. Prerequisite to higher level courses in chemistry.

113, 114. LABS FOR GENERAL CHEMISTRY I AND II**1 semester hour each semester**

These courses provide the lab experiences for the respective lecture courses, Chemistry 111, 112. 3 laboratory hours. To be taken concurrently with 111, 112.

221. QUANTITATIVE ANALYSIS**4 semester hours**

Theory and techniques of volumetric and gravimetric procedures. 2 class hours, 6 laboratory hours. Prerequisites: CHM 111, 112, 113, 114.

222. INORGANIC CHEMISTRY**4 semester hours**

A study of the elements and their compounds based on atomic structure and periodicity. Chemical bonding as it relates to molecular structure and chemical reactivity. Aqueous and nonaqueous solvent systems, acid-base theories, and the chemistry of complexes. 3 class hours, 3 laboratory hours. Prerequisites: CHM 111, 112, 113, 114.

301. PHYSICAL SCIENCE AND SOCIETY**3 semester hours**

Case studies from the physical sciences emphasizing a rational approach to the solution of societal problems using the experimental approach. No prerequisites.

321. ORGANIC CHEMISTRY I**3 semester hours**

A detailed study of the chemistry of hydrocarbons. Topics include nomenclature, the relation of structure to physical/chemical properties, mechanism of chemical reactions, stereochemistry, conformational analysis, synthesis and characteristic reactions of several classes of compounds. 3 class hours. Prerequisite: CHM 111-114; corequisite: CHM 323.

322. ORGANIC CHEMISTRY II**3 semester hours**

A continuation of CHM 321, with emphasis on the chemistry of compounds containing oxygen or nitrogen, and an introduction to the chemistry of lipids, carbohydrates and proteins. 3 class hours. Prerequisite: CHM 321; corequisite: CHM 324.

323. ORGANIC CHEMISTRY LAB I**1 semester hour**

Laboratory work to complement CHM 321. Methods include determination of physical properties, crystallization, distillation, chromatography, structure identification and synthesis of organic compounds. 3 laboratory hours.

324. ORGANIC CHEMISTRY LAB II**1 semester hour**

Laboratory work to complement CHM 322. Advanced synthetic methods, synthesis using air-sensitive compounds, qualitative organic analysis. 3 laboratory hours. Prerequisite: CHM 323.

391. RESEARCH**1-3 semester hours**

Experimental and/or theoretical research by individual students under the supervision of the department faculty. Maximum total credit, 8 semester hours. Prerequisite: Permission of the Chemistry faculty.

411. PHYSICAL CHEMISTRY I**4 semester hours**

Topics in thermodynamics, kinetics, colligative properties of solutions, and colloids. 3 class hours, 3 laboratory hours. Prerequisites: CHM 111, 112, 113, 114, Physics Requirements, MTH 121.

412. PHYSICAL CHEMISTRY II**3 semester hours**

An introduction to quantum mechanical concepts of fundamental importance to all of chemistry, group theory and symmetry of properties of molecules, and an introduction to molecular spectroscopy. 3 class hours. Prerequisite: CHM 411 or consent of instructor.

421. INSTRUMENTAL ANALYSIS**4 semester hours**

Theory and practice of advanced analytical techniques with emphasis on instrumental methods of analysis. 3 class hours, 3 laboratory hours. Prerequisites: CHM 111, 112, 113, 114.

425. BIOCHEMISTRY**3 semester hours**

A survey of biochemistry as it relates to the physiology of organisms. Topics include: biochemical methodology; pH buffers and water; protein structure, function and synthesis; enzymes; bioenergetics; anabolism and catabolism of carbohydrates and lipids; metabolic regulation. Prerequisites: BIO 221 or 222, CHM 321-324, or permission of instructor. Offered alternate Fall Terms. (CHM 425 is the same as BIO 425.)

426. LAB FOR BIOCHEMISTRY**1 semester hours**

Designed to provide students with laboratory experience in bioassay procedures, methods for separating, isolating, and identifying lipids, fatty acids, amino acids, simple and complex proteins. 3 laboratory hours. Prerequisite or Corequisite: CHM 425.

461. SPECIAL TOPICS**1-3 semester hours**

Advanced topics to meet the needs and interests of the students. Possible topics include: Computers in Chemistry; Qualitative Organic Analysis; and Analytical Separations. Admission by permission of the department.

471. SEMINAR**1 semester hour**

Oral presentation and discussion of topics from the current literature of chemistry by students, staff, and visiting scientists. Instruction and practice in writing and in the use of the literature of chemistry. 1 class hour. Prerequisite: CHM 111, 112, 113, 114.

481. INTERNSHIP IN CHEMISTRY**1-3 semester hours**

Work experience at an advanced level in chemical field. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: Permission of chemistry staff.

492. SENIOR THESIS**1 semester hour**

This course is designed to focus on the formal writing process related to results of the experimental and/or theoretical research conducted in CHM 391. Emphasis will be placed on the style of scientific writing. Prerequisites: CHM 391 (3 semester hours).

COMMUNICATIONS

Chair, Department of Journalism and Communications: Assistant Professor Grady

Associate Professor: Rasmussen

Assistant Professors: Johnson, Adams, Gibson

Instructors: Rudick, Hamm

Programs are offered in Journalism and in Communications. A student majoring in Communications must choose Broadcast Communications or Corporate Communications as an area of emphasis.

Journalism: Students will study in the areas of print and broadcast news. Emphasis will be placed on researching, reporting, writing, editing, and layout, and audio and video production. Students will gain additional perspective

through 12 hours of required upper-level electives in any one discipline with a major or minor.

Broadcast Communications: Students will acquire an understanding of radio, television and cable television operations. The program will prepare students in the electronic media as producers, directors, performers, and production personnel. Additional perspective is gained through 12 hours of required upper-level electives in any one discipline with a major or minor.

Corporate Communications: Students will study the internal and external communications of businesses. These studies will be pertinent to areas of public relations, advertising, and corporate communications. Students will learn to create, write, and produce news releases, public service announcements, brochures, newsletters, and audio/video presentations. Additional perspective is gained through required upper-level courses in Business Administration.

A major in Journalism requires JC 215, 225, 228, 245, 255, 325, 330, 425, and 465, plus 9 semester hours of JC courses at the 300-400 level and 12 semester hours of 300-400 level courses in any one discipline offering a major or minor except Communications.

A major in Communications with an emphasis in Broadcast Communications requires 210, 215, 225, 245, 255, 335, 312, 360, and 465, plus 9 semester hours of JC courses at the 300-400 level and 12 semester hours of 300-400 level courses in any one discipline offering a major or minor except Communications.

A major in Communications with emphasis in Corporate Communications requires JC 210, 215, 225, 255, 318, 325, and 333, plus 9 semester hours of JC courses at the 300-400 level. Additional requirements are Accounting 211 and 212, Economics 212, and 9 semester hours of 300-400 level courses in Business Administration.

A minor in Journalism/Communications requires four courses chosen from Journalism/Communications 210, 215, 225, 245, 255; plus 9 semester hours in Journalism/Communications courses at the 300-400 level, not more than 3 semester hours of which may be a Journalism/Communications practical experience.

101. PARLIAMENTARY PROCEDURE

1 semester hour

A study of the rules which govern the proceedings of the deliberative assemblies, correlated with practice in the use of these rules. Emphasis on the practical application of parliamentary procedure in the conduct of meetings.

210. PUBLIC SPEAKING

3 semester hours

The fundamentals of public speaking: principles in nonverbal and oral communications, actual practice in delivery of ideas, supporting evidence, attention to diction, analysis of varied public presentations.

215. SURVEY OF COMMUNICATIONS

3 semester hours

This course is an introduction to the communication process and mass communications media. It will survey the history of newspapers, magazines, books, films, radio, television and cable, as applicable in public and corporate communications. Special emphasis will be given to media as social institutions, economics of the media, and technological developments in media.

225. REPORTING AND NEWSWRITING**3 semester hours**

A study of the basic types of news articles for the mass media, intended to enable students to gather information and report it in standard journalistic style. Special attention is given to writing leads, interviewing techniques and editing copy. Word processing ability necessary. Prerequisites: ENG 111 or 112 or permission of instructor.

228. PHOTOJOURNALISM**3 semester hours**

A study and practical application of news photography, feature pictures and photo-feature pages in newspapers with work on camera techniques and darkroom procedures as needed. Prerequisite: Art 237.

245. AUDIO PRODUCTION I**3 semester hours**

An introduction to basic audio production techniques applicable in radio, television, and film. The course includes basic studio operation, producing, writing and performing. An overview of the historical and technical development of radio broadcasting is also included.

251. COMMUNICATIONS STUDIES ABROAD**3 semester hours****255. VIDEO PRODUCTION I****3 semester hours**

This course is designed to introduce students to the fundamentals of television production. The student should gain an understanding of basic television production equipment, concepts and the roles of production personnel. Both studio and electronic news gathering (ENG) methodology will be explored.

312. BROADCAST PERFORMANCE**3 semester hours**

This course is designed to help students become more effective communicators and performers in electronic media. Emphasis will be given to the communication of ideas on radio and television. The course will stress vocal and visual presentation, voice and diction, pronunciation, appearance, gestures, and movement. Prerequisites: JC 245 and JC 255.

318. CORPORATE COMMUNICATIONS**3 semester hours**

An introduction to corporate communications as a necessary part of business management. Attention will be given to internal and external communication as applied in the corporate setting. The course will cover the process and patterns of communication in organization, the techniques of information dissemination, and the application of various media and methods.

325. NEWS EDITING AND LAYOUT**3 semester hours**

Study and practice in design and makeup of the modern newspaper, including copy editing, headline writing, scaling and cropping of photographs, caption writing, page layout, and use of art and graphics. Prerequisite: JC 225.

326. FEATURE WRITING**3 semester hours**

A study of basic types of feature articles for newspapers and magazines. Emphasis is on applying techniques of fiction (narrative, characterization, dialogue, scenes) to nonfiction writing. Prerequisite: JC 225.

330. BROADCAST JOURNALISM I**3 semester hours**

A critical approach to the gathering, reporting and production of radio and television news. Students discuss and evaluate news, commentary and sports features. Each student creates and produces documentary and feature programs. Prerequisite: JC 245.

333. PUBLIC RELATIONS**3 semester hours**

A combined survey and intermediate level course in public relations. It covers basic public relations objectives and problems. Emphasis is placed on the use of effective tools plus the use of media to reach various publics. Prerequisite: JC 318.

335. WRITING FOR ELECTRONIC MEDIA**3 semester hours**

A general course designed to acquaint students with the style, forms and content approaches used in writing for radio and television and other audio/visual presentations.

337. THE DOCUMENTARY**3 semester hours**

A survey course that will trace the origins of the documentary, subsequent developments, and its current status.

345. AUDIO PRODUCTION II**3 semester hours**

An advanced study of radio production techniques, including editing, music and sound effects, mixes and fades, signal processing and multi-channel production. Course work includes announcing, commercial, news and documentary production. Prerequisite: JC 245.

352. CORPORATE VIDEO PRODUCTION**3 semester hours**

This course is a study of how to research, write, rewrite, and produce video productions for internal and external corporate presentations. Emphasis will be placed on achieving the goals of the organization through the video medium by informing, persuading and entertaining. Studio and remote production equipment will be used in the production of projects. Prerequisites: JC 255 and 318.

355. VIDEO PRODUCTION II**3 semester hours**

An advanced study of video production techniques for use in television broadcasting and other video media. The course will concentrate on electronic field production with emphasis on the aesthetics of teleproduction. Students will research, write and produce public service announcements and commercials for local clients. Prerequisite: JC 255.

360. HISTORY OF BROADCASTING**3 semester hours**

The purpose of this course is to help students develop an appreciation and understanding of the history of radio and television broadcasting in the United States. Students should acquire an awareness of the evolution of equipment, programming and government regulation of broadcasting. An emphasis will be placed on important personalities and their contributions.

362. A STUDY OF FILMS**3 semester hours**

(Same course as ENG 362. See ENG 362 for description.)

371. SEMINAR: SPECIAL TOPICS**1-3 semester hours**

Specialized topics or issues in Journalism and Mass Communication. Recent studies included Magazine Journalism, Propaganda and Mass Media, Rock Music and Mass Media.

381. PRACTICUM IN JOURNALISM**1-3 semester hours**

Work experience at an advanced level in some aspect of journalism. Offered on an individual basis when suitable opportunities can be arranged. On or off campus. Prerequisites: JC 225, 330 and permission of the instructor.

382. PRACTICUM IN BROADCAST COMMUNICATIONS**1-3 semester hours**

Work experience at an advanced level in some aspect of broadcasting. Offered on an individual basis when suitable opportunities can be arranged. On or off campus. Prerequisites: JC 245 or 255 and permission of instructor.

383. PRACTICUM IN CORPORATE COMMUNICATIONS**1-3 semester hours**

Work experience at an advanced level in some aspect of corporate communications. Offered on an individual basis when suitable opportunities can be arranged. On or off campus. Prerequisites: JC 255, 318, 325 and permission of instructor.

425. ADVANCED REPORTING AND EDITING**3 semester hours**

A study of sophisticated reporting techniques, including investigative reporting and the editor's role in covering the news of a community. The campus newspaper, *The Pendulum*, serves as a laboratory for this course. Prerequisites: JC 225 and JC 325.

426. EDITORIAL WRITING**3 semester hours**

A study of types of editorials and opinion articles for newspapers and magazines. Attention is given to design and makeup of the editorial pages and to special opinion sections of a publication. Prerequisite: JC 225.

430. TV NEWS REPORTING**3 semester hours**

An advanced study of electronic news gathering (ENG). Students will analyze current examples of news and public affairs programming. Students will research, write, edit and produce television news packages that will be assembled into television newscasts. Prerequisites: JC 225, 255, and 330.

455. REMOTE VIDEO PRODUCTION**3 semester hours**

This course is for advanced students interested in the area of video production. Students will

produce projects from the pre-production stages through post-production that will be shown over local cable T.V. Prerequisite: JC 255 and by permission of instructor.

460. INTERNATIONAL COMMUNICATIONS

3 semester hours

An examination of the media system of many countries, stressing the chief problem of communication across cultural, economic, sociological and political barriers.

462. POLITICS IN MASS MEDIA

3 semester hours

This course examines the effects of mass media on the American political system. The evolution of media impact will be traced from print journalism through radio and television.

465. LAW AND ETHICS OF MASS COMMUNICATION

3 semester hours

Law and ethics of print journalism and broadcasting with particular emphasis on libel laws, invasion of privacy, free press-fair trial, obscenity and pornography, censorship, federal regulations of broadcasting content.

490. RESEARCH METHODS

3 semester hours

This course presents the theoretical and methodological knowledge necessary to conduct mass communication research. Political polling, marketing research, and the reporting of research will be considered.

491. INDEPENDENT STUDY

1-3 semester hours

COMPUTING SCIENCES

Chair, Department of Computing Sciences: Professor W. Hightower

Associate Professor: Carpenter

Assistant Professors: Plumblee, V. Hightower, Murphy

Computer Science Requirements (CS)

A major in Computer Science requires Computer Science 130, 135, 235, 326, 331, 341, 342, 351 and 9 semester hours of 300-400 level Computer Science (CS) courses (other than Computer Science 361 and Computer Science 481) at least 6 of which must be at the 400 level. Additional courses required are Mathematics 111 (or competency), Mathematics 112 (or competency), Mathematics 121, 221, 241, 311 and a probability and/or statistics course.

A minor in Computer Science requires Computer Science 130, 135, 235, 326 and 6 semester hours of 300-400 level Computer Science (CS) courses (other than Computer Science 361 and Computer Science 481).

130. COMPUTATIONAL PROGRAMMING

3 semester hours

An introduction to programming and problem solving using a higher level computer language (Pascal). Emphasis on applications from disciplines which have a quantitative orientation. Prerequisite: Mathematics 111 (or its exemption). (CS 130 is the same as IS 130.)

135. PROGRAMMING AND ALGORITHM DEVELOPMENT

3 semester hours

Algorithm development and analysis. Program correctness, recursion and elementary data structures. Emphasis on modularization and program structure using Pascal. Prerequisite: CS/IS 130. Corequisite: Mathematics 241. (CS 135 is the same as IS 135.)

171. SPECIAL TOPICS

1-3 semester hours

Study of microcomputers and specialized pieces of software. Software selection varies and is chosen from spreadsheets, database management and other introductory software packages. Prerequisite may be specified for certain software packages.

235. SOFTWARE ENGINEERING

3 semester hours

Data abstraction and information hiding. Object oriented design. Packages, generic program units, tasks and exception handling. The language Ada will be used. Prerequisite: CS/IS 135. (CS 235 is the same as IS 235.)

260. SPSS**2 semester hours**

Designed to assist students in preparing and executing data analysis using *The Statistical Package for the Social Sciences*. Prerequisites: 3 semester hours of statistics or permission of the instructor.

315. NUMERICAL ANALYSIS**3 semester hours**

An introduction to numerical analysis. Floating point arithmetic, interpolation, approximation, numerical integration and differentiation, nonlinear equations, and linear systems of equations. Prerequisites: CS/IS 135, MTH 311 and MTH 321 or permission of the instructor. (CS 315 is the same as MTH 315.)

321. COMPUTER GRAPHICS**3 semester hours**

Graphics hardware, packages and standards. Windows and clipping. Geometrical transformations. Removal of hidden edges and surfaces. Prerequisites: CS/IS 135 and MTH 311.

326. FILE PROCESSING**3 semester hours**

Concepts and techniques of structuring data on mass storage devices. Sort/merge/search algorithms for sequential and direct access files. Techniques for updating, deleting and inserting records. Prerequisite: CS/IS 235. (CS 326 is the same as IS 326.)

331. DATA STRUCTURES**3 semester hours**

Applications of and implementation of algorithms for common data structures. Efficient sort/merge/search algorithms. Dynamic storage allocation, garbage collection and compaction. Prerequisite: CS/IS 326.

336. DESIGN OF DATA BASE MANAGEMENT SYSTEMS**3 semester hours**

Introduction to data base concepts and design techniques. Network, relational and hierarchical data models. Normalized forms of data relations. Query facilities. Prerequisite: CS/IS 326. (CS 336 is the same as IS 336.)

341. COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE I**3 semester hours**

Computer architecture, internal representation of data, Boolean algebra, computer arithmetic, and addressing techniques. Machine language and assembly programming. Prerequisite: CS/IS 135.

342. COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE II**3 semester hours**

Subroutines, macros, and conditional assembly. Hardware and software considerations of file I/O. Prerequisite: CS 341.

351. THEORY OF COMPUTATION**3 semester hours**

An introduction to theoretical computer science and further study of discrete mathematical structures which find applications in computer science. A selection will be made from the following topics: Predicate calculus, groups, coding theory, graphs, trees, formal languages, grammars, finite state automata, Turing machines, complexity theory. Prerequisites: MTH 241, 311, and CS/IS 135. (CS 351 is the same as MTH 351.)

361. COMPUTERS AND SOCIETY**3 semester hours**

History of computing and technology. Past, present and future impact of the computer on the individual and society. Legal and ethical issues confronting the computer user and the computer professional. Prerequisites: English 112 and 3 semester hours of Information Systems or Computer Science courses.

371. SPECIAL TOPICS**1-3 semester hours**

Extensive study of specialized pieces of software. Selection varies and is chosen from available database, spreadsheet, accounting and payroll packages and other current software. Prerequisite: CS 135 or permission of instructor.

421. INTRODUCTION TO ARTIFICIAL INTELLIGENCE**3 semester hours**

An introduction to basic concepts and techniques of artificial intelligence. Strategies for choosing representations, search strategies, communication and perception, and applications. Prerequisite: CS/IS 326.

435. ORGANIZATION OF PROGRAMMING LANGUAGES**3 semester hours**

An introduction to language definition structure, data types and structures, control structures and data flow, run-time characteristics and lexical analysis and parsing. Programming assignments

involve the use of several different languages. Prerequisite: CS 331.

441. INTRODUCTION TO OPERATING SYSTEMS AND COMPUTER ARCHITECTURE

3 semester hours

The fundamental concepts of operating systems and their relationship to computer architecture. Concurrent programming, interrupt processing, memory management, and resource allocation. Prerequisite: CS 342.

451. COMPILER DESIGN AND IMPLEMENTATION

3 semester hours

An introduction to the basic techniques of compiler design and implementation. Specification of syntax and semantics; lexical analysis; parsing; semantic processing. Prerequisites: CS 351, 435.

471. SEMINAR: SPECIAL TOPICS

1-3 semester hours

Advanced study consisting of readings, reports, projects and discussions of contemporary problems and issues of computer science. Prerequisite: permission of instructor.

481. INTERNSHIP IN COMPUTER SCIENCE

1-3 semester hours

Work experience at an advanced level in some aspect of computer science. Offered on an individual basis when suitable opportunities can be arranged. Prerequisites: CS 331 and permission of instructor.

491. INDEPENDENT STUDY

1-3 semester hours

Computer Information Systems Requirements (IS)

A major in Computer Information Systems requires Information Systems 116, 130, 135, 225, 235, 326, 330, 336, 461 and 6 semester hours of 300-400 level Computer Science (CS) and/or Computer Information Systems (IS) courses (other than Computer Science 361, Computer Science 481 and Computer Information Systems 481) at least 3 of which must be at the 400 level. Additional courses required are Accounting 211 and 212, Economics 211, 212 and 246, either English 313 or Business Administration 302, either Mathematics 121 or Mathematics 165, Mathematics 241 and one course from Business Administration 343, 414, 424, 426, Economics 321, 347.

A minor in Computer Information Systems requires Information Systems 116, 130, 135, 225 and 6 semester hours chosen from IS 235 and 300-400 level Computer Information Systems (IS) courses (other than Computer Information Systems 481).

116. MICROCOMPUTER APPLICATIONS

3 semester hours

Microcomputer hardware and software applications from the perspective of the individual user as well as consideration of their integration into the organization as a whole. Includes work with word processors, spreadsheets, database management systems, graphics and accounting packages.

130. COMPUTATIONAL PROGRAMMING

3 semester hours

An introduction to programming and problem solving using a higher level computer language (Pascal). Emphasis on applications from disciplines which have a quantitative orientation. Prerequisite: Mathematics 111 (or its exemption). (IS 130 is the same as CS 130.)

135. PROGRAMMING AND ALGORITHM DEVELOPMENT

3 semester hours

Algorithm development and analysis. Program correctness, recursion and elementary data structures. Emphasis on modularization and program structure using Pascal. Prerequisite: CS/IS 130. Corequisite: Mathematics 241. (IS 135 is the same as CS 135.)

171. SPECIAL TOPICS

1-3 semester hours

Study of microcomputers and specialized pieces of software. Software selection varies and is chosen from spreadsheets, database management and other introductory software packages. Prerequisite may be specified for certain software packages.

225. COBOL FROM AN ADVANCED PERSPECTIVE**3 semester hours**

A thorough introduction to COBOL for programmers with a background in another higher level language. Prerequisite: CS/IS 135.

235. SOFTWARE ENGINEERING**3 semester hours**

Data abstraction and information hiding. Object oriented design. Packages, generic program units tasks and exception handling. The language Ada will be used. Prerequisite: CS/IS 135. (IS 235 is the same as CS 235.)

326. FILE PROCESSING**3 semester hours**

Concepts and techniques of structuring data on mass storage devices. Sort/merge/search algorithms for sequential and direct access files. Techniques for updating, deleting and inserting records. Prerequisite: CS/IS 235. (IS 326 is the same as CS 326.)

330. SYSTEMS ANALYSIS AND DESIGN**3 semester hours**

An in-depth study of standard techniques used for the analysis and design of information systems. Emphasis will be placed on effective written and oral communication. Prerequisite: IS 225 or CS/IS 235. Corequisite: BA 302 or ENG 313.

336. DESIGN OF DATA BASE MANAGEMENT SYSTEMS**3 semester hours**

Introduction to data base concepts and design techniques. Network, relational and hierarchical data models. Normalized forms of data relations. Query facilities. Prerequisite: CS/IS 326. (IS 336 is the same as CS 336.)

454. DECISION SUPPORT AND EXPERT SYSTEMS**3 semester hours**

Utilization of high level software to support the decision-making process. Development of simulation models. Building, applying and modifying expert systems. Prerequisites: IS 116 and MTH 241 and either IS 225 or CS/IS 235.

457. DATA COMMUNICATION AND NETWORKS**3 semester hours**

Factors associated with the distribution of computer processing facilities. Functions and selection criteria for major components of data communications equipment. Prerequisite: IS 225 or CS/IS 235.

461. SENIOR PROJECT**3 semester hours**

Development and implementation of a significant information systems application. Prerequisites: CS/IS 336 and IS 330.

471. SEMINAR: SPECIAL TOPICS**1-3 semester hours**

Advanced study consisting of readings, reports, projects and discussions of contemporary problems and issues of computer information systems. Prerequisite: permission of instructor.

481. INTERNSHIP IN INFORMATION SYSTEMS**1-3 semester hours**

Work experience at an advanced level in some aspect of computer information systems. Offered on an individual basis when suitable opportunities can be arranged. Prerequisites: CS/IS 326 and permission of instructor.

491. INDEPENDENT STUDY**1-3 semester hours****COOPERATIVE EDUCATION**

Director of Career Planning: Assistant Professor Highsmith

Director of Experiential Education: Assistant Professor P. Brumbaugh

Director of Placement: Assistant Professor K. Thompson

Career Services offers courses designed to acquaint Elon students with the career decision-making process, to assist them in career exploration, and to prepare them for the job search.

110. CHOOSING A MAJOR**1 semester hour**

Assists undeclared or undecided (pre-major) students in choosing an appropriate college major. Topics covered in these group career counseling sessions include: career decision-making skills, personal values and needs, interest and ability assessments, career testing and measure-

ment, senior student panel discussions, and career exploratory interviews. Recommended for freshmen and sophomores.

310. SECURING A JOB

1 semester hour

Helps students prepare for internships, co-ops, summer jobs and permanent employment. Develop strategies for achieving career goals, investigate critical issues in the workplace, develop a resume, establish job contacts and learn how to interview effectively. Required of co-op students and recommended for sophomores, juniors, and seniors.

THE COOPERATIVE EDUCATION WORK EXPERIENCE PROGRAM

enables qualified students to combine classroom theory with professional work experience while completing their degrees. The student may work full time or part time with an employer selected and/or approved by the College. Credit hours are based on the number of hours worked during the term—a maximum of 10 semester hours of cooperative education may be applied to the 126 semester hours required for the A.B. and B.S. degrees. Evaluation is based on job performance and reflection on that performance through papers, journals, seminars, class presentations and readings. Contact the Director of Experiential Education for more information.

Eligibility Requirements: Junior or Senior standing

2.5 minimum GPA

Approval of Faculty/Exp. Ed. Director

COE 310 class

381-386. CO-OP WORK EXPERIENCE

1-9 semester hours

This series of courses provides careful monitoring of students in either a part or full time work experience. The students learn by applying classroom theory in a job related to the major/minor/career objectives. Prerequisite: Full admission to the Co-op Program.

DANCE

Chair, Department of Fine Arts: Professor Myers

Part-Time Assistant Professor: Wellford

A minor in Dance requires 18 semester hours distributed as follows: three courses from Dance 103, 104, 112, 113, 114; two courses selected from Dance 201, 202, 203; two semesters of Dance 204; two courses selected from Dance 366, 367, or HPEL 365; plus three semester hours of additional dance courses at 200 level or above.

103. INTRODUCTION TO DANCE

3 semester hours

Study and participation in a wide variety of dance styles including folk, square, social, disco, aerobics, modern, ballet, tap, jazz and musical comedy. (DAN 103 is the same as HPEL 103.)

104. MODERN DANCE I

1 semester hour

Study and participation in modern dance techniques and styles as well as a study of the history and the choreography of modern dance personalities. (DAN 104 is the same as HPEL 104.)

112. BALLET I

1 semester hour

Study and participation in classical ballet techniques. (DAN 112 is the same as HPEL 112.)

113. JAZZ DANCE I

1 semester hour

Exploration of the various jazz dance techniques. (DAN 113 is the same as HPEL 113.)

114. DANCE IMPROVISATION

1 semester hour

The study of both spontaneous and learned movements, individual and group movement exercise include how poetry, the senses, music, visual art and everyday gestures stimulate and influence dance. (DAN 114 is the same as HPEL 114.)

201. MODERN DANCE II**2 semester hours**

Participation and comparison of modern dance techniques on the intermediate level. Prerequisite: DAN/HPEL 104 or permission of instructor. (DAN 201 is the same as HPEL 201.)

202. BALLET II**2 semester hours**

Participation in intermediate-level ballet exercises, combinations and study. Prerequisite: DAN/HPEL 112 or permission of instructor. (DAN 202 is the same as HPEL 202.)

203. JAZZ DANCE II**2 semester hours**

Exploration of the various jazz techniques at the intermediate level, in-depth study of the choreographic process and study of persons and events which have shaped the history of jazz dance. Prerequisite: DAN/HPEL 113 or permission of instructor. (DAN 203 is the same as HPEL 203.)

204. DANCE ENSEMBLE**1 semester hour**

A performing group available to members of the dance company and to students interested in any phase of dance production. Membership in the company is open to all students by auditions which are held prior to each semester.

366. DANCE CHOREOGRAPHY**3 semester hours**

Introduces students to the art of composition of dance for solo and groups through utilization of craft, time, space, shape, dynamics and design. (DAN 366 is the same as HPEL 366.)

367. HISTORY OF DANCE**3 semester hours**

A study of the history and philosophy of dance from its primitive beginnings up to the present with emphasis on the areas of ballet, modern, tap, jazz, musical, comedy, religious and social dance. (DAN 367 is the same as HPEL 367.)

DRAMA

The Drama program is listed under Theatre.

ECONOMICS

Dean of Love School of Business: Professor Tiemann

Associate Professors: Baxter, Toney, Barbour

Assistant Professors: Larson, Hart, Flynn

A major in Economics requires Economics 211, 212, 246, 310, 311, 411, and 15 additional semester hours of Economics electives at the junior-senior level (Social Science 312 may be substituted for 3 elective hours in Economics). Additional course requirements are Mathematics 111 (or competency) and either 121 or 165; Accounting 211; Computer Information Systems 111 or 116.

A minor in Economics requires Economics 211, 212, 310, 311, a course in statistics (Economics 246, Mathematics 265 or 341, or Social Science 312), and 6 semester hours of Economics electives at the junior-senior level.

211. PRINCIPLES OF MACROECONOMICS**3 semester hours**

An introduction to the study of the economy as a whole. Topics may include national income accounts and determination, unemployment, inflation, fiscal and monetary policy and international trade. Prerequisite: MTH 111 or higher. Not sequenced with 212.

212. PRINCIPLES OF MICROECONOMICS**3 semester hours**

An introduction to the study of the parts of the economy. Consumers, firms, industries and markets will be discussed. Income distribution, labor unions, antitrust laws or other topics may also be discussed. Prerequisite: MTH 111 or higher. Not sequenced with 211.

246. STATISTICS FOR ECONOMICS AND BUSINESS**3 semester hours**

Collection, presentation, analysis and interpretation of statistical data. Descriptive tools for frequency distributions, central tendency and dispersion. Sampling theory and sampling distributions. Techniques for statistical inference include estimation and hypothesis testing for one and two samples, quality control, and linear regression, method of least squares. Prerequisite: MTH 165 or 121.

271. SEMINAR: ECONOMIC ISSUES**3 semester hours****310. INTERMEDIATE MACROECONOMIC THEORY****3 semester hours**

National income accounting, business cycles, economic growth, forecasting, and economic stabilization. Prerequisites: ECO 211, 212; MTH 121 or 165.

311. INTERMEDIATE MICROECONOMIC THEORY**3 semester hours**

Intermediate price theory, market structure, and distribution theory. Prerequisites: ECO 211, 212; MTH 121 or 165.

312. COMPARATIVE ECONOMIC SYSTEMS**3 semester hours**

Study of capitalism, Marxian theory, and theoretical socialism. Included is an in-depth analysis of British Socialism and the economy of the Soviet Union. Prerequisites: ECO 211, 212.

313. LABOR ECONOMICS**3 semester hours**

Study of the historical development, structure, government, and specific problems of the trade union movement. Emphasis is placed on collective bargaining, the economics of the labor market, minimum wages, maximum hours, and governmental security programs and labor law. Prerequisites: ECO 211, 212. Winter term only.

315. U.S. ECONOMIC HISTORY**3 semester hours**

Description and analysis of the growth and development of the U.S. economy and its institutions from Colonial times to the 20th century. Emphasis on the "new" economic history: explicit economic models and quantitative methods to analyze historical phenomena, including slavery and the South, the industrial economy and its labor force, the transportation revolutions, and government's role in economic change. Prerequisites: Economics 211 and 212.

317. THE ECONOMICS OF WOMEN**3 semester hours**

Topics covered include: economic theories of discrimination; economic problems faced by women in such areas as earnings, occupations, unemployment and household production; the feminization of poverty; comparative analysis of women's economic status in developed and developing countries; past and future policy implications.

321. MANAGERIAL ECONOMICS**3 semester hours**

Elementary quantitative tools applied to the theory of the firm and consumer theory settings, including optimization, utility theory, demand and costs, and market structures. Prerequisites: ECO 212 and 246; MTH 121 or 165.

331. MONEY AND BANKING**3 semester hours**

Study of history, structure, functions, and operations of our commercial and central banking system. Emphasis is placed on monetary theory, monetary policy, and the mechanism of international payments. Prerequisites: ECO 211, 212.

332. PUBLIC FINANCE**3 semester hours**

A positive and normative approach to the role of government in the economy. Public expenditures are discussed in light of pure theory, the theory of social choice, and practical application. Prerequisites: ECO 211, 212.

341. ECONOMIC REGULATION**3 semester hours**

Study of the economic regulation of American business. Both the economic rationale and the basic laws concerning antitrust regulation, public utility regulation, and social regulation of business will be discussed. Prerequisites: ECO 311 or 321.

347. STATISTICAL ANALYSIS**3 semester hours**

Applications of statistical techniques of analysis of variance and covariance, chi-square,

simple and multiple correlation and regression, interpretation of standard designs used in scientific research; Non-parametric tests; Time Series Analysis; Decision Theory. Prerequisite: ECO 246.

411. DEVELOPMENT OF ECONOMIC THOUGHT

3 semester hours

Development of economic thought from antiquity to the present. Identification of various schools of economic thought and critical evaluation of content. Prerequisites: ECO 211, 212.

412. INTERNATIONAL TRADE AND FINANCE

3 semester hours

A study of fundamental principles of international economic relations. Subjects include: the economic basis for international specialization and trade; economic gains from trade; balance of international payments; problems of international finance; and international investments. Prerequisites: ECO 211, 212.

471. SEMINAR: SPECIAL TOPICS

3 semester hours

481 INTERNSHIP IN ECONOMICS

1-3 semester hours

A maximum of 3 semester hours are applicable to a major or minor in Economics.

491. INDEPENDENT STUDY

1-3 semester hours

EDUCATION

Chair: Department of Education and Psychology: Professor Brogan

Professors: J. Williams, Simon

Associate Professors: Hemphill, Speas, Wooten

Assistant Professors: Maness, Beamon

Elon College offers programs at the undergraduate level leading to North Carolina Certification in Elementary Education; Middle Grades Education; special subjects area for grades K-12, and in eight areas at the secondary level. The goal of the undergraduate program in Education is to foster in the student:

- the knowledge of the purposes of education and the role of the school in our democratic society,
- the understanding of the role of the teacher as decision-maker,
- the knowledge and skills required for developing competence in the various teacher roles as a decision-maker,
- a belief in the dignity and worth of each individual,
- the knowledge of the process of human growth and development,
- the knowledge of planning for instruction utilizing various teaching methodologies, materials, and organizational patterns,
- knowledge of the subject matter in school curriculum,
- competence in evaluating student learning,
- the knowledge and skills necessary to maintain a classroom environment that facilitates learning,
- the knowledge and skills necessary to accommodate the learning needs of exceptional children and youth,
- the knowledge and skills necessary to work effectively with culturally diverse students, and
- a desire for professional affiliation, lifelong learning, and continuing professional growth and development.

The student who successfully completes any of the teacher education programs at Elon College will be eligible for certification to teach in North

Carolina. The state of North Carolina is party to the Interstate Certification Compact which qualifies Elon College graduates also to be certified in all states party to this Compact. Currently, there are 31 states who have entered into this reciprocity agreement. Any student planning to teach in a state not a part of the Interstate Certification Compact should obtain a copy of the certification requirements for a public school teacher from the State Superintendent of Education in the state in which the student plans to teach.

Before being admitted into the Teacher Education Program, the student must make application to the program, be recommended by the appropriate major department, be interviewed and approved by the Teacher Education Committee, meet the minimum score requirements* on the tests of General Knowledge and Communication Skills of the National Teacher's Examination. The State of North Carolina requires the following minimum scores: GK—641, CS—643, and a GPA of 2.50 for all course work completed at the time of admission. After admission, failure to maintain a minimum GPA of 2.50 will result in dismissal from the program. In all cases, approval for admission to the program is subject to the discretion of the Teacher Education Committee which bases its decision upon the above factors and the following: satisfactory command of standard English usage (written and oral) and mental, physical, moral, and emotional acceptability for teaching. The Teacher Education Committee may, at its discretion, dismiss a student from the Teacher Education Program.

Application forms for the Teacher Education Program are available in the office of the Department of Education and must be filed by September 15 or February 15 of the semester immediately prior to the beginning of the student's junior year. *A student must be unconditionally admitted to the program before being permitted to take education courses beyond the 200 level.*

In order to exit from the program and be recommended for teacher certification a student must meet all academic requirements, have a GPA minimum of 2.50 and meet the minimum score on the test of Professional Knowledge (the state of North Carolina requires a minimum score of 646) and the Specialty Area test (minimum scores for this test vary with the content area).

All students who are education majors or who already hold a bachelor's degree and are seeking certification only are subject to the decisions and regulations of the North Carolina State Board of Education. These decisions and regulations are binding on the student on the date and time specified by the State Board of Education.

**Students planning to teach in a state other than North Carolina must contact the appropriate state Department of Public Instruction and secure its standards for scores on the NTE.*

Requirements for the Elementary Education Major (K-6)

A major in Elementary Education consists of courses necessary to meet requirements for certification in Elementary Education in the public schools of North Carolina.

A major in Elementary Education requires Art 368; Computer Science 178; Economics 211; Education 211, 281 (one semester hour), 321, 325, 361, 363, 381, 382, 431, 465, 467, 471, 481, 483; select one of English 201, 202, 203,

204; English 215 or Communications 210; English 301; Fine Arts 211; Geography 131; History 112, 211 or 212, 346; HPEL 362; Mathematics 261, 262; Music 368; Political Science 131; Psychology 233, 321, 332; select one of Chemistry 101, 111, Physics 101, 111; Chemistry 103 or Physics 102; Biology 111 or 121; and Sociology 111; Theater 368.

Requirements for the Middle Grades Education Major

A major in Middle Grades Education consists of the courses necessary to meet the requirements for Middle Grades (grades 6-9) certification in the public schools of North Carolina. **Core Courses** (required of *all* Middle Grades Education majors): Computer Science 178; Economics 211; Education 211, 281 (one semester hour), 322, 432, 441, 471, 481; FA 211; History 112, 211 or 212, HPEL 120; Psychology 233, 321, 332, Sociology 111.

In addition to the Core Courses, a student majoring in Middle Grades Education must select two subject area concentrations.

Concentration in Communication Skills

Communications 210; Education 362, 381; English 204, 215, 301; select two of the following: Education 325, English 203, 281, 321, 334, Communications 225, Theater 101.

Concentration in Social Studies

Education 364, 382; Geography 131; History 111, 112, 211, 212, 321, 346, 3 semester hours in African History; and Political Science 131.

Concentration in Mathematics

Education 466, 483; Mathematics 111, 112, 165, 261, 262, 265.

Concentration in Physical Education

Education 423; Physical Education 211, 221, 263, 310, 363, 365, 410.

Concentration in Science

Biology 111, 113, 121; Chemistry 101 and 102 or Chemistry 111 and 113, and Chemistry 103 and 104; Physics 101 and 107 or Physics 111 and 115, and Physics 102 and 108; Education 468 and 483.

Requirements for Secondary Education Certification

The student planning to teach at the high school level completes a major in a discipline and the necessary Education and Psychology courses for teacher certification at the secondary level (grades 9-12). The student must complete one of the following major areas: Biology, Chemistry, Physics, Comprehensive Science Certification, English, History, Mathematics, or Social Sciences. Specific requirements for each major are listed with the appropriate department in this catalog. In addition, the following Professional Education courses must be completed satisfactorily: Education 211, 281, 322, 415, 432, the appropriate subject area methods and materials course (chosen from Education 421-427), 471, 481; Psychology 233, 321, 332, and Computer Science 178.

Requirements for Certification in Special Subject Areas (K-12)

Majors in Special Subject Areas (grades K-12) are Health Education, Music Education, and Physical Education. Specific requirements for these majors are listed with the appropriate department in this catalog. In addition, the following Professional Education courses must be completed satisfactorily: Education 211, 281, 322, 415, 432; the appropriate subject area methods and materials course (chosen from Education 423, 427, Music 461-462), 471, 481; Psychology 233, 321, 332; and Computer Science 178.

211. INTRODUCTION TO EDUCATION

2 semester hours

A study of the teaching profession: teacher certification procedures, the organization of schools, curriculum models, and current trends and issues.

281. INITIAL PRACTICUM FOR EDUCATION

1-3 semester hours

Designed as a pre-student teaching experience for sophomores and juniors.

321. READING IN THE ELEMENTARY SCHOOL

3 semester hours

A study of the fundamental processes by which a child learns to read, with attention to readiness factors, vocabulary development, word attack, and comprehension skills. Public school field experience required. Prerequisite: EDU 211.

322. READING IN THE CONTENT AREAS (Middle Grades and Secondary Grades)

2 semester hours

A study of the reading process and reading problems of students above the primary level. Study includes the reading process, diagnosis of reading difficulties, remedial techniques, standardized tests, vocabulary building. Public school field experience required. Prerequisite: EDU 211.

325. DIAGNOSTIC/PRESCRIPTIVE READING INSTRUCTION

3 semester hours

Competencies developed are diagnostic and prescriptive skills with increased knowledge and implementation of teaching strategies. Public school field experience required. Prerequisite: EDU 211, 321 or 322.

361. COMMUNICATION SKILLS METHODS AND MATERIALS FOR ELEMENTARY TEACHERS

2 semester hours

This course enables students to investigate, evaluate and select content, methods, and materials used in the organization and teaching of communication skills in the elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281; PSY 233, 321.

362. COMMUNICATION SKILLS METHODS AND MATERIALS FOR MIDDLE GRADES TEACHERS

2 semester hours

This course enables students to investigate, evaluate and select content, methods, and materials used in the organization and teaching of communication skills in the middle school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281; PSY 233, 321.

363. SOCIAL STUDIES METHODS AND MATERIALS FOR ELEMENTARY TEACHERS

2 semester hours

This course enables students to investigate, evaluate and select content, methods, and materials used in the organization and teaching of social studies in the elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281; PSY 233, 321.

364. SOCIAL STUDIES METHODS AND MATERIALS FOR MIDDLE GRADES TEACHERS

2 semester hours

This course enables students to investigate, evaluate and select content, methods, and materials used in the organization and teaching of social studies in the middle school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281; PSY 233, 321.

381. PRACTICUM IN TEACHING COMMUNICATION SKILLS AND READING

1 semester hour

This practicum will provide field experiences for students studying the content and methodology of communication skills. It begins with the observation of teachers and children and includes opportunities for micro-teaching and teaching small groups of children in the public school classroom. EDU 321 or 322 and 361 and 362 are taken concurrently. Prerequisites: EDU 211 and 281.

382. PRACTICUM IN TEACHING SOCIAL STUDIES, ART AND PHYSICAL EDUCATION

1 semester hour

This practicum will provide field experiences for students studying the content and methodology of social studies, art and physical education. It begins with the observation of teachers and children and includes opportunities for micro-teaching and teaching small groups of children in the public school. EDU 363 or 364 are taken concurrently. Elementary majors also concurrently take ART 368, MUS 368, FA 368, and HPEL 362.

415. MATERIALS AND METHODS OF HIGH SCHOOL TEACHING

2 semester hours

Study of the general methods, techniques and practices applied in the secondary school. Open only to seniors. Taught in conjunction with Education 421-427; the courses in materials and methods of each subject-matter concentration listed below. Prerequisite: EDU 211. Fall semester only.

421. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL ENGLISH

3 semester hours

A study of the content and organization of the English curriculum; emphasis upon the methods and materials used in teaching reading, literature, grammar, oral and written expression. Public school classroom observation required. Prerequisite: EDU 211. Fall semester only.

422. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL MATHEMATICS

3 semester hours

A study of the objectives and content of the mathematics curriculum, and the materials, techniques, tests and methods of evaluation used in the teaching of mathematics. Prerequisite: EDU 211. Fall semester only.

423. MATERIALS AND METHODS OF TEACHING PHYSICAL EDUCATION

3 semester hours

Methods, materials, and techniques of teaching skills in the school health, physical education curriculum; organization and planning of the total curriculum as well as daily programs; laboratory experiences in observing and conducting activity classes in on-campus student teaching in conjunction with activity classes. Prerequisite: EDU 211. Fall semester only.

424. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SCIENCE

3 semester hours

The role of science in the secondary school curriculum. Current trends and methods used in teaching the Natural Sciences. Emphasis on Biology, Chemistry or Physics, depending upon the prospective teacher's major discipline. Prerequisite: EDU 211. Fall semester only.

425. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SOCIAL STUDIES

3 semester hours

A study of the materials and methods of teaching social studies. Emphasis upon planning, organization, objectives, and evaluation. Required classroom observation. Prerequisite: EDU 211. Fall semester only.

427. MATERIALS AND METHODS OF HEALTH AND SAFETY

3 semester hours

Designed to develop awareness of the importance of a health and safety education program in all levels of school (K-12). Emphasis is on methods of curriculum planning, analyzing, and developing content area unit plans and teaching approaches. Prerequisite: EDU 211. Fall semester only.

431. FOUNDATIONS OF EDUCATION FOR K-6**3 semester hours**

The historical development and philosophical bases for public education in America; the elementary and intermediate schools' role and influence in society; the K-4 and 4-6 teacher's role as it has emerged from the philosophies, practices, and policies of public education. Prerequisite: EDU 211.

432. FOUNDATIONS OF EDUCATION FOR 6-9, 9-12, and SPECIAL SUBJECT AREAS**3 semester hours**

The historical development and philosophical bases of public education in America; the middle and secondary schools' role and influence in society; the 6-9, 9-12 and special subject teacher's role as it has emerged from the philosophies, practices, and policies of public education. Prerequisite: EDU 211.

441. CURRICULUM AND INSTRUCTION IN THE MIDDLE GRADES**3 semester hours**

A study of historical and contemporary curricula and instruction in the middle and junior high schools. Emphasis is on the special curricular and instructional needs of the pre- and early adolescent. Various types of programs and instruction designed to teach the 11-14 year old academic and personal skills and concepts are explored. Offered in fall semester of even years only. Prerequisite: EDU 211.

461. SEMINAR IN CLASSROOM ENVIRONMENT**3 semester hours**

A study of general methods, techniques and practices characteristic of positive approaches to classroom teaching. Attention is focused on various research in the areas of student motivation, student-teacher interaction, counseling, discipline and general classroom atmosphere. Prerequisite: EDU 211.

465. MATHEMATICS METHODS AND MATERIALS FOR ELEMENTARY TEACHERS**2 semester hours**

This course enables students to investigate, evaluate and select content, methods, and materials used in the organization and teaching of mathematics in the elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281, 361, 363, 381, 382; PSY 233, 321.

466. MATHEMATICS METHODS AND MATERIALS FOR MIDDLE GRADES TEACHERS**2 semester hours**

This course enables students to investigate, evaluate and select content, methods, and materials used in the organization and teaching of mathematics in the middle school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281; PSY 233, 321.

467. SCIENCE METHODS AND MATERIALS FOR ELEMENTARY TEACHERS**2 semester hours**

This course enables students to investigate, evaluate and select content, methods, and materials used in the organization and teaching of science in the elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281, 361, 363, 381, and 382; PSY 233, 321.

468. SCIENCE METHODS AND MATERIALS FOR MIDDLE GRADES TEACHERS**2 semester hours**

This course enables students to investigate, evaluate and select content, methods, and materials used in the organization and teaching of science in the middle school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281; PSY 233, 321.

471. SEMINAR FOR STUDENT TEACHERS**2 semester hours**

The scope of this seminar includes new information regarding the management of student behavior, school law, the teacher as decision-maker, teacher evaluation and certification, and the creation of professional development plans.

481. SUPERVISED OBSERVATION AND STUDENT TEACHING **10 semester hours**
Provides the student with experience in the classroom on a full-time basis for a period of one semester, with periodic conferences with the college supervisor(s) and the classroom cooperating teacher(s). The student becomes acquainted with the duties and observes the methods and activities of an experienced teacher, with gradual induction into full-time teaching responsibilities. Included in this experience are seminars held on campus. Prerequisites: EDU 211, 311 or 312, and appropriate methods course(s).

483. PRACTICUM IN TEACHING DIAGNOSTIC READING, MATHEMATICS AND SCIENCE **1 semester hour**
This practicum will provide field experiences for students studying the content and methodology of mathematics, science and diagnostic reading. It expands the preservice teacher's field experience toward a comprehensive experience with the school, to include—child-centered, inquiry learning, integration of content areas, and unit level planning. EDU 365 or 366 and 367 or 368 are taken concurrently. Prerequisites: EDU 211, 281, 321 or 322. Prerequisites for elementary majors also include EDU 361, 363, 381 and 382.

491. INDEPENDENT STUDY **1-3 semester hours**

ENGLISH

Chair, Department of English: Professor M. Smith
Professors: Blake, Bland, Gill, Angyal
Associate Professors: J. Berry, Lyday-Lee, Haskell
Assistant Professors: Butler, Mackay, Maness, P. Haworth, Schwind, Herold, Cassebaum, Gordon, Boyd, Braye
Instructors: R. House, Teague, D. Smith, Lundquist, Warman

The major in English requires 39 semester hours selected from the following groups of courses:

- I. Language (310-319, 410-419).....3 semester hours
 - II. Historical Studies (320-329, 420-429).....9 semester hours
 - III. Contemporary Studies (330-339, 430-439).....6 semester hours
 - IV. Major Authors (340-349, 440-449).....3 semester hours
 - V. Genres (350-359, 450-459).....3 semester hours
 - VI. Electives (200-level or above, at least 3 classes
at the 300-400 level).....15 semester hours
- One course must be a 400-level seminar.

Students majoring in English for teacher certification are required to take English 200, 201, 202, 203 or 204, 215, 281, 311, 312, 321, one class from Contemporary Studies (Group III), one class from Major Authors (Group IV), one class from Genres (Group V), 6 hours of additional electives (at the 300-400 level), JC 210, and the required professional education courses. English 314 is strongly recommended.

A minor in English requires eighteen (18) semester hours of English courses beyond English 111 and 112, at least nine (9) semester hours of which must be 300-400 level courses.

The English Department is inclusive in its course offerings and content of courses in literature. Wherever appropriate, faculty members include works by and about women, minorities, and ethnic groups.

100. BASIC WRITING SKILLS **3 semester hours**
A writing course with lab designed to ensure the student's ability to develop and organize ideas and to write in a correct, readable style. Required of all entering freshmen and transfer students except those who can demonstrate writing competence. This course does not satisfy a general studies requirement or the requirements for the English major/minor. A minimum

final grade of "C" is prerequisite for registration for English 111. Not open to students with prior credit for English 111 except with special permission.

106. ANALYTICAL READING

3 semester hours

A course designed to improve the student's ability to analyze, comprehend, and retain college level reading material. This course does not satisfy a general studies requirement or the requirements for the English major/minor.

111. FRESHMAN ENGLISH I

3 semester hours

Writing sequences with practical application of specific strategies for invention, drafting, frequent revision, peer review, and editing. A final grade of "C" is prerequisite for registration for English 112.

112. FRESHMAN ENGLISH II

3 semester hours

A study of argumentation, involving development of the ability to think and write critically as students research, analyze, write, and deliberate about issues significant to our civilization. A final grade of "C" is required for graduation. Prerequisite: ENG 111.

171. SPECIAL TOPICS

3 semester hours

A study of special topics or types of literature. It is designed for students who have not completed English 112.

200. INTRODUCTION TO LITERATURE

3 semester hours

A study of the characteristics of fiction, drama and poetry. Emphasis on how to interpret these kinds of literature and assess their traditional identifying characteristics. Prerequisites: ENG 111, 112.

201. ENGLISH LITERATURE I

3 semester hours

A survey of English literature from Beowulf to the end of the eighteenth century in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

202. ENGLISH LITERATURE II

3 semester hours

A survey of English literature from the beginning of the nineteenth century to the present in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

203. AMERICAN LITERATURE I

3 semester hours

A survey of American literature from the Colonial Period to 1860 in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

204. AMERICAN LITERATURE II

3 semester hours

A survey of American literature from 1860 to the present in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

215. FUNDAMENTALS OF GRAMMAR

3 semester hours

A study of the traditional description of the English language including terminology, parts of speech, grammatical structures, and correct usage at the level of standard written English. Prerequisites: ENG 111, 112.

251. ENGLISH STUDIES IN BRITAIN

3 semester hours

A study-tour based in London with emphasis on the theater and places of literary and cultural importance. Excursions to such places as Stratford-upon-Avon, Stonehenge, and Canterbury. Winter Term only. No credit on the English minor.

281. WRITING CENTER WORKSHOP

3 semester hours

This course enhances students' writing ability while they learn to tutor writing. It requires tutoring three hours each week in Elon's Writing Center. Strong writing abilities and interpersonal skills recommended. Prerequisites: ENG 111, 112.

301. CHILDREN'S LITERATURE

3 semester hours

Children's literature as a basis for the selection and production of reading or story material for children in the elementary grades. Examination of the field of children's literature and folk literature to discover reading which satisfies modern education requirements. No credit on the English major, Journalism major, Communications major, or English minor. Prerequisites: ENG 111, 112, EDU 211.

310-319. LANGUAGE (Group I)

Studies in the structure and historical development of the English language, language in society, language as an effective means of communication, and current research in language.

311. THE ENGLISH LANGUAGE**3 semester hours**

A study of the historical development of the English language from its Indo-European origins to the present. Prerequisites: ENG. 111, 112.

312. INTRODUCTION TO LINGUISTICS**3 semester hours**

A study of the systems of language, including the phonology, morphology and semantics of the English language. Prerequisites: ENG 111, 112.

313. WRITING FOR THE PROFESSIONS**3 semester hours**

A study of professional writing through problem solving. Prerequisites: ENG 111, 112.

314. INTRODUCTION TO RHETORIC**3 semester hours**

A study of the resources of language as vehicle of communication. The emphasis is on the practical application of these resources to the problems of written communication by the writing of frequent papers. Prerequisites: ENG 111, 112.

318. INTERNSHIP IN PROFESSIONAL WRITING**1 semester hour**

Experience writing documents for area businesses. Taken in conjunction with ENG 313.

320-329. HISTORICAL STUDIES (GROUP II)

Studies of literature in historical, interdisciplinary, and cross-cultural contexts.

321. CLASSICAL LITERATURE**3 semester hours**

A study of classical literature and culture, including Greek and Roman myth, drama, epic, lyrical poetry, and philosophy. Readings include writers such as Homer, Plato, Sophocles, Ovid, and Virgil. Prerequisites: ENG 111, 112.

322. MEDIEVAL LITERATURE**3 semester hours**

A study of major works of British and Continental Medieval literature, exploring such matters as chivalry and romance, the church and the world. Prerequisites: ENG 111, 112.

323. RENAISSANCE LITERATURE**3 semester hours**

A study of selected works of the British and Continental Renaissance, including such influences as the Reformation, scientific discovery, and humanism. Prerequisites: ENG 111, 112.

324. THE ENLIGHTENMENT**3 semester hours**

A study of great works of British, Continental, and American literature during an age of reason and sensibility marked by industrial, scientific, and political revolutions. Prerequisites: ENG 111, 112.

325. ROMANTICISM**3 semester hours**

A study of great British, Continental and American Romantic literature, examining attitudes towards the self, nature and the supernatural. Prerequisites: ENG 111, 112.

326. THE LATER NINETEENTH CENTURY**3 semester hours**

A study of American, British, and Continental literature against the background of scientific and religious ferment, nationalism, aestheticism, and naturalism. Prerequisites: ENG 111, 112.

330-339. TWENTIETH-CENTURY STUDIES (GROUP III)

Studies in the literature of the twentieth century, organized to represent

a historical period, a cultural heritage, or a critical perspective. In addition to the topics listed below, other topics may include Black American Literature, Myth and Fantasy in Modern Fiction, Twentieth Century Novels by Women.

331. STUDIES IN MODERN LITERATURE

3 semester hours

A study of important literary works and movements of the first half of the twentieth century, such as imagism, symbolic realism, psychological realism, experimental fiction, expressionism, the expatriates, and the protest writers of the thirties. Prerequisites: ENG 111, 112.

332. LITERATURE OF THE SOUTH

3 semester hours

A study of Southern literature, its background and themes, with attention given to major twentieth century writers. Prerequisites: ENG 111, 112.

333. FEMINIST APPROACHES TO LITERATURE

3 semester hours

A study of modern and traditional works of literature interpreted or reinterpreted from the perspective of feminist literary theories. Prerequisites: ENG 111, 112.

334. STUDIES IN THIRD WORLD AND ETHNIC LITERATURE

3 semester hours

A study of selected literature from ethnic cultures such as American Black, Chicano, Native American, Asian Indian, African, Caribbean, Central and South American. Prerequisites: ENG 111, 112.

335. STUDIES IN CONTEMPORARY LITERATURE

3 semester hours

A study of contemporary literature such as the French anti-novel, absurdist drama, metafiction, and "magic realism." Prerequisites: ENG 111, 112.

340-349. MAJOR AUTHORS (Group IV)

Studies in the works of individual authors who have captured and continue to hold the imaginations of readers. Dante, Austen, Hawthorne/Melville, Conrad, Hardy, Faulkner, Hemingway, and Frost are typical offerings, in addition to those listed below.

341. CHAUCER

3 semester hours

A study of Chaucer's major works in the context of their medieval intellectual background, including the greater portion of *The Canterbury Tales* and *Troilus and Cressida*. Prerequisites: ENG 111, 112.

342. SHAKESPEARE

3 semester hours

A study of a selected group of Shakespeare's comedies, tragedies, and histories. Prerequisites: ENG 111, 112.

343. MILTON

3 semester hours

A study of selected works of Milton in poetry and prose in the context of their seventeenth century background. Prerequisites: ENG 111, 112.

350-359 GENRES (Group V)

Studies in specific types of literature. Examples are poetry, drama, the novel, the essay, the short story. Courses in genre include "kinds" of literature which cut across the more traditional genre labels.

351. THE NOVEL

3 semester hours

An examination of representative types of novels from different countries and ages. The focus and content of the course will vary. Typical approaches include the American novel, the British novel, the picaresque novel, the *Bildungsroman*, the political novel. Prerequisites: ENG 111, 112.

352. DRAMA**3 semester hours**

An examination of representative plays from different countries and ages. The focus and content of the course will vary. Typical approaches include Classical drama, Realistic drama, Avant Garde drama, American drama, and Expressionism. Prerequisites: ENG 111, 112.

353. POETRY**3 semester hours**

A study of the major types of poetry. Prerequisites: Eng 111, 112.

360-379 ELECTIVE TOPICS

Studies of various literary and writing topics, offered chiefly in the Winter Term. In addition to the courses listed below, examples are: Literature/Theater in Britain, Literature and Dreams, Faulkner's *Sound and the Fury*, and Alternate Languages.

362. A STUDY OF FILMS**3 semester hours**

A survey of significant world cinema, using films that illustrate differences in national cultures, chief periods and types of film-making, and the achievements in techniques and ideas of the greatest directors. Lab fee. Prerequisites: ENG 111, 112 (ENG 362 is the same as JC 362.)

365. LITERATURE AND THEOLOGY**3 semester hours**

A study focusing on relationships between the literary and theological disciplines with special attention to literature illustrative of various approaches to religious questions. Prerequisites: ENG 111, 112 (ENG 365 is the same as REL 365)

470-479 SEMINARS: SPECIAL TOPICS**3 semester hours****491. INDEPENDENT STUDY****1-3 semester hours****FINE ARTS**

Chair, Department of Fine Arts: Professor Myers

Assistant Professor: Rubeck, Drtina

Part-time Instructor: Kinard

101. INTRODUCTION TO THEATRE**3 semester hours**

(Same as Theatre 101. See TH 101 for description.)

103. INTRODUCTION TO DANCE**3 semester hours**

(Same as Dance 103. See DAN 103 for description.)

211. INTRODUCTION TO FINE ARTS**3 semester hours**

A comparative study of major artistic styles and movement using representative examples of painting, sculpture, architecture, music, dance and drama. An introductory course designed to aid the student in discovering the world of art, its uses, purposes and aesthetic values.

215. INTRODUCTION TO MUSIC LITERATURE**3 semester hours**

(Same as Music 215. See MUS 215 for description.)

217. INTRODUCTION TO MUSIC**3 semester hours**

(Same as Music 217. See MUS 217 for description.)

218. HISTORY OF JAZZ**3 semester hours**

(Same as Music 218. See MUS 218 for description.)

251. FINE ARTS STUDIES IN ENGLAND**3 semester hours**

A study-tour in London with emphasis on theatres, concerts and places of cultural importance. Winter Term only.

368. DANCE AND THEATRE IN THE ELEMENTARY SCHOOL 2 semester hours

The purpose of this course is to provide the Elementary Education major with the basic skills in dance and creative dramatics and the methods of implementing these activities in the classroom. Enrollment is limited to Elementary Education majors of at least junior standing.

FOREIGN LANGUAGES

Chair, Department of Foreign Languages: Associate Professor Lunsford

Associate Professor: Rodriguez

Assistant Professors: Romer, Wilson

Instructor: Villa-Garcia

A major in Foreign Languages requires a student to study at least two foreign languages. Requirements in the primary language are six semester hours at the intermediate level (211, 212), and 18 hours at the 300-400 level. Requirements in the secondary language are six semester hours at the intermediate level (211, 212).

A minor in Spanish requires 18 semester hours of Spanish courses. At least 6 of the semester hours must be at the 300-400 level.

A minor in French requires 18 semester hours of French courses. At least 6 of the semester hours must be at the 300-400 level.

FRENCH 101, 102. FOUNDATIONS OF FRENCH 3 semester hours each semester

An introductory course for students who have not completed two years of one foreign language in high school. This course focuses on the structure of the French language and on practical conversation in a cultural setting. Courses do not satisfy General Studies requirements.

FRENCH 111, 112. ELEMENTARY FRENCH 3 semester hours each semester

An introductory course for students who have taken at least two years of a foreign language in high school. It develops language skills by stressing cultural content, conversation, and pronunciation while also giving a basis in French grammar.

FRENCH 211, 212. INTERMEDIATE FRENCH 3 semester hours each semester

A systematic review of French grammar for students with a minimum of 2 years of high school French. It includes oral drill, writing, and an emphasis on development of reading skills. Prerequisites: two years of high school French or FRE 111, 112 or equivalent.

FRENCH 371. SPECIAL TOPICS 3 semester hours**GERMAN 111, 112. ELEMENTARY GERMAN 3 semester hours**

An introductory course for students who have taken at least 2 years of a foreign language in high school. It develops language skills by stressing cultural content, conversation, and pronunciation while giving a basis in German grammar.

GERMAN 211, 212. INTERMEDIATE GERMAN 3 semester hours each semester

A systematic review of German grammar for students with a minimum of 2 years of high school German. It includes oral drill, writing, and an emphasis on development of reading skills. Prerequisites: two years of high school German or GER 111, 112 or equivalent.

GREEK 111, 112. ELEMENTARY GREEK 3 semester hours each semester

Mastery of declensions and conjugations, synopsis of verbs, word analysis, derivation and composition. Offered alternate years.

GREEK 211, 212. INTERMEDIATE NEW TESTAMENT GREEK

3 semester hours each semester

Intermediate Greek grammar with emphasis on readings in the New Testament. Textual problems and methods of interpretation. Offered alternate years. Prerequisite: GRK 112.

SPANISH 101, 102. FOUNDATIONS OF SPANISH **3 semester hours each semester**

An introductory course for students who have not completed two years of one foreign language in high school. This course focuses on the structure of the Spanish language and on practical conversation in a cultural setting. Courses do not satisfy General Studies requirements.

SPANISH 111, 112. ELEMENTARY SPANISH **3 semester hours each semester**

An introductory course for students who have at least two years of any one foreign language in high school. It develops language skills by stressing cultural content, conversational use, and pronunciation while also giving a basis in Spanish grammar.

SPANISH 211, 212. INTERMEDIATE SPANISH **3 semester hours each semester**

A systematic review of Spanish grammar for students with a minimum of 2 years of high school Spanish. It includes oral drill, writing, and an emphasis on development of reading skills. Prerequisites: two years of high school Spanish or SPN 111, 112 or equivalent.

SPANISH 321. SPANISH CONVERSATION **3 semester hours**

Training in pronunciation and conversation based on contemporary situations. Prerequisite: SPN 212 or permission of instructor.

SPANISH 322. ADVANCED CONVERSATION AND COMPOSITION **3 semester hours**

Continued work in conversation with new emphasis on writing. Prerequisite: SPN 212 or permission of instructor.

SPANISH 331. SPANISH LITERATURE I **3 semester hours**

A chronological survey of the development of Spain, from its beginnings in the Middle Ages through the Renaissance and the Golden Age. Prerequisite: SPN 212 or permission of instructor.

SPANISH 332. SPANISH LITERATURE II

A chronological survey of the literature of Spain during the eighteenth through twentieth century. Prerequisite: SPN 212 or permission of instructor.

SPANISH 341. LATIN-AMERICAN LITERATURE I **3 semester hours**

The development of Spanish-language literature in Latin America beginning with Spanish conquest of the New World and continuing through the realism and naturalism movements of the nineteenth century. Special attention is given to the gaucho literature of Argentina. Prerequisite: SPN 212 or permission of instructor.

SPANISH 342. LATIN-AMERICAN LITERATURE II **3 semester hours**

A chronological survey of twentieth century literature in Latin America, beginning with the turn-of-the-century Modernist movement. Prerequisite: SPN 212 or permission of instructor.

SPANISH 371. SPECIAL TOPICS **3 semester hours****SPANISH 471. SEMINAR: SPECIAL TOPICS** **1-3 semester hours****SPANISH 491. INDEPENDENT STUDY** **1-3 semester hours**

GEOGRAPHY

Chair, Department of Social Sciences: Professor T. Henricks

Assistant Professor: Cates

A minor in Geography requires Geography 121, 131, and 12 additional hours chosen from Geography, Biology 301, and Chemistry 103.

121. PHYSICAL GEOGRAPHY **3 semester hours**

A study of man's natural environment. Elements studied are weather and climate, water bodies, soils, natural vegetation, wildlife and landforms. Emphasis on interrelations among these environmental elements, their world-wide patterns, man's adaptations to them and impact on them.

131. WORLD REGIONAL GEOGRAPHY

3 semester hours

A study of the natural environment and human characteristics of the world's major regions. Emphasis on distinguishing characteristics and major problems of each region.

311. GEOGRAPHY OF THE UNITED STATES AND CANADA

3 semester hours

A study of Anglo-America's natural environment, population, and human activities. A description of continental patterns is followed by concentration on the subregions. Offered alternate years.

321. GEOGRAPHY OF EUROPE

3 semester hours

A study of the environmental and human characteristics of Europe. Continent-wide patterns are studied as well as the subregions and countries which make up Europe. Offered alternate years.

331. GEOGRAPHY OF NORTH CAROLINA

3 semester hours

North Carolina's natural environment, population, political organization, and economy. Statewide patterns and trends are used to define regions of the state.

491. INDEPENDENT STUDY

1-3 semester hours

HEALTH, PHYSICAL EDUCATION, AND LEISURE/SPORTS MANAGEMENT

*Chair, Department of Health, Physical Education and Leisure/Sports
Management: Professor Brown*

Professor: A. White

Associate Professors: Parham, Beedle, Calhoun

Assistant Professors: Morningstar, Baker, Burton, Myers, Drummond, Hart

Instructors: Leonard, Hicks, Worst, Brewer, Patterson

Part-time Assistant Professor: Wellford

Physical Education Major

A major in Physical Education requires: HPEL 161, 162, 211, 221, 263, 310, 321; one course from HPEL 342, 343, 344, 345; HPEL 360, 363, 365, 410, 411, 422, 423, BIO 161, 162. Students desiring teacher certification should also take the requirements listed under Education Requirements for Special Subjects areas.

Health Education endorsement for persons with Physical Education certification requires Education 427 and 15 additional hours chosen from the required Health Education courses.

A minor in Physical Education requires HPEL 162, 211, 221, 263, 360 or 365, 410, 411.

A minor in Sports Medicine requires Biology 161, 162, HPEL 221, 321, 424, 481 (3 semester hours).

A minor in Physical Education with a coaching concentration requires HPEL 211, 221, 310, 410; two courses from HPEL 342, 343, 344, 345, 347; and HPEL 461 (Seminar in Athletic Coaching — 3 semester hours).

Health Education Major

A major in Health Education requires HPEL 120, 160, 211, 220 or 221,

322, 323, 410, 411, 412; Biology 161, 162; Psychology 332, 333, 415 and EDU 427. Students desiring teacher certification should also take the requirements listed under Education Requirements for Special Subjects areas.

Physical Education endorsement for the Health Education major requires EDU 423 and 15 additional hours chosen from the required Physical Education certification courses.

Leisure/Sports Management Major

A major in Leisure/Sports Management requires: HPEL 212, 221, 325, 326, 327, 410, 411, 422, 425, 481 (6 semester hours); ACC 211, BA 302, 311, 323.

A minor in Leisure/Sports Management requires HPEL 212, 325, 326, 327, 410, 411.

100. TENNIS AND BADMINTON **1 semester hour**

101. RACQUETBALL **1 semester hour**

102. ELEMENTARY GYMNASTICS **1 semester hour**

103. DANCE SURVEY **3 semester hours**
(Same course as DAN 103. See DAN 103 for description.)

104. MODERN DANCE I **1 semester hour**
(Same course as DAN 104. See DAN 104 for description.)

105. GOLF (Beginning and Intermediate) **1 semester hour**

106. BEGINNING SWIMMING AND EMERGENCY WATER SAFETY **2 semester hours**
An introduction to basic swimming techniques as well as general water safety instruction in order to create an awareness of causes and prevention of water accidents; includes how to respond effectively in a water emergency. (Beginning Swimming and Emergency Water Safety certification given.)

107. INTERMEDIATE TO ADVANCED SWIMMING **1 semester hour**
Review of basic strokes. Introduction of advanced strokes and elements of competitive swimming. Emphasis is on skill and cardiovascular fitness. Recommended to persons who plan to obtain lifeguard training and/or water safety instructor's certification.

108. LIFEGUARD TRAINING **2 semester hours**
Provides knowledge and skill development for aquatic safety and non-surf lifeguarding. Persons completing this course will receive Red Cross certification. Prerequisites: Strong swimming skills, current Red Cross Standard First Aid.

109. OVERLOAD CONDITIONING **1 semester hour**
Progressive development of physiological fitness designed to meet the needs of the individual student. Includes weight training and cardio-respiratory training.

110. SNOW SKIING—BEGINNER TO ADVANCED **1-3 semester hours**
An introduction to snow skiing which permits the student to advance at his own rate. All work conducted at ski site. Offered during Christmas holidays (1 hour credit), and Winter Term (3 hours credit). Extra fees required. (For details, consult Physical Education Department staff.)

111. AEROBICS CONDITIONING **1 semester hour**
Progressive development of physiological fitness through aerobics conditioning activities designed to meet the needs of the individual student. Includes cardiovascular, flexibility and strength development.

112. BALLET I **1 semester hour**
(Same course as DAN 112. See DAN 112 for description.)

- 113. JAZZ DANCE I** **1 semester hour**
(Same course as DAN 113. See DAN 113 for description.)
- 114. DANCE IMPROVISATION** **1 semester hour**
(Same course as DAN 114. See DAN 114 for description.)
- 115. LIFEGUARD TRAINING INSTRUCTOR** **1 semester hour**
Methods and materials of teaching Red Cross aquatics safety courses from Basic Water Safety through Lifeguard Training. Prerequisite: Lifeguard Training certification.
- 116. OUTWARD BOUND EXPERIENCE** **1-3 semester hours**
Course in wilderness survival, including physical survival skills, fitness, cognitive and emotional skills and study of the natural world. Offered as personnel is available.
- 117. EQUITATION I** **1 semester hour**
Basic horsemanship and riding skills—walk, trot, canter, first level dressage, introduction to jumping. Special fee \$150.
- 118. EQUITATION II** **1 semester hour**
The development of riding skills on the flat; intermediate dressage; jumping skills with gymnastics and course work. Prerequisite: HPEL 117 or permission of instructor. Special fee \$150.
- 119. EQUITATION III** **1 semester hour**
The development of the rider as a competitor in the show ring and jumping courses. Prerequisite: HPEL 118 or permission of instructor. Special fee \$150.
- 120. CONTEMPORARY HEALTH PROBLEMS** **3 semester hours**
A study of contemporary health problems and issues. Topics for discussion include mental health, drug abuse, human sexuality, physical fitness, nutrition, and diseases.
- 160. FOUNDATIONS OF HEALTH AND PHYSICAL ACTIVITY** **2 semester hours**
The study of the immediate and long-term effects of physical activity and the establishment of individualized programs for acquiring and maintaining physical fitness and wellness. Lecture and laboratory experiences. Special needs of students are considered.
- 161, 162. LIFETIME SPORTS SKILLS LABORATORY** **2 semester hours each semester**
Methods, materials, techniques and skills in teaching lifetime sports skills. Includes golf, archery, tennis, badminton, gymnastics, aquatics. Majors and minors only.
- 201. MODERN DANCE II** **2 semester hours**
(Same course as DAN 201. See DAN 201 for description.)
- 202. BALLET II** **2 semester hours**
(Same course as DAN 202. See DAN 202 for description.)
- 203. JAZZ DANCE II** **2 semester hours**
(Same course as DAN 203. See DAN 203 for description.)
- 204. DANCE ENSEMBLE** **1 semester hour**
(Same course as DAN 204. See DAN 204 for description.)
- 208. WATER SAFETY INSTRUCTORS COURSE** **3 semester hours**
Detailed study of methods and materials used to teach Red Cross swimming and aquatics safety courses. Successful completion qualifies WSI's to teach Infant and Preschool aquatics, progressive swimming courses, basic water safety and emergency water safety. Prerequisites: 17 years old, current certifications for Emergency Water Safety or Lifeguard Training; CPR and First Aid recommended.
- 209. SKIN AND BASIC SCUBA DIVING** **2 semester hours**
Designed to teach students the art of skin and scuba diving, including the physics, physiology, mechanics and safe diving practices as well as marine life, environment, dive planning and various aspects of sport diving. Prerequisites: 15 years old, pass a swim test, medical exam and payment of special fees before SCUBA work begins. (\$175 fee.)

211. HISTORY AND PRINCIPLES OF HEALTH AND PHYSICAL EDUCATION

3 semester hours

An introductory study in the history of health education and physical education; philosophical, psychological, physiological, and sociological bases for activity.

212. INTRODUCTION TO LEISURE/SPORTS MANAGEMENT

3 semester hours

A fundamental introduction to leisure and sports management with emphasis on the role and relevance of each to society.

220. FIRST AID

3 semester hours

Emphasis placed upon the prevention and treatment of athletic injuries in various sports. Basic physiological and anatomical functions of the athlete are discussed. Basic first aid and CPR training are offered.

221. SPORTS MEDICINE/FIRST AID (Majors Or Minors Only)

3 semester hours

Emphasis is placed on the prevention and treatment of athletic injuries in various sports. Basic physiological and anatomical functions of the athlete are discussed. Basic first aid and CPR training are included.

263. SPORTS SKILLS LABORATORY

2 semester hours

Methods, materials, techniques and skills in teaching team sports. May include soccer, field hockey, volleyball, basketball, and track and field. Majors and minors only.

265. OFFICIATING

2 semester hours

Designed to provide a thorough study of rules and mechanics of sport officiating. Practical experience in officiating may be provided in the area of the sports selected at the community and little leagues, middle school, and junior varsity levels.

310. MOTOR LEARNING THEORY FOR TEACHING AND COACHING

3 semester hours

Emphasis is placed upon qualities of persons, influencing and controlling behavior during motor activities, vital relationships within the school and community, organization, planning, and learning theories for motor skill development.

321. KINESIOLOGY

3 semester hours

The study of the musculo-skeletal system as it relates to physical and sports skills and the mechanical analysis of sports skills. Prerequisite: BIO 161.

322. HEALTH OF THE BODY SYSTEMS

3 semester hours

A study of the interdependency of body systems and diseases and conditions that affect human health and well being. Topics of study include communicable and non-communicable diseases, immune system, dental health, and socio-cultural factors that influence health. Methods of health appraisal and screening will also be investigated. Prerequisite: BIO 161.

323. NUTRITION AND SUBSTANCE ABUSE

3 semester hours

A comprehensive study of nutrition including nutrient basics, digestion, metabolism, vitamins, minerals, supplements, nutritional deficiencies and imbalances. Tobacco, alcohol and drug abuse will also be studied with emphasis placed on psychosocial implications, prevention, and rehabilitation.

324. LEISURE AND AGING

3 semester hours

Examines the needs and characteristics of the older adult as related to leisure needs. Focus is on problems inherent in leisure service delivery systems for aging clientele. (HPEL 324 is the same as HUS 324.)

325. COMMERCIAL LEISURE/SPORTS MANAGEMENT

3 semester hours

The study, development and current role of the commercial leisure industry (including commercial sports management). Emphasis will be placed upon the recreation as well as economic relevance in modern society.

326. LEISURE/SPORT FACILITIES PLANNING AND MAINTENANCE MANAGEMENT

3 semester hours

Designed to emphasize the necessity of proper planning and maintenance in the total

leisure/sport management scheme; includes evaluation in planning, construction and operation of facilities.

327. LEISURE/SPORT LEADERSHIP AND PROGRAMMING **3 semester hours**

The principles of leadership and group dynamics as they pertain to recreation, parks, commercial leisure and sports management. The components and application skills of leisure programming will be emphasized.

342. METHODS OF COACHING FOOTBALL **2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching football.

343. METHODS OF COACHING BASKETBALL **2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching basketball.

344. METHODS OF COACHING TRACK AND FIELD AND BASEBALL **2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching track and field and baseball.

345. METHODS OF COACHING SOCCER AND VOLLEYBALL **2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching soccer and volleyball.

347. METHODS OF COACHING WRESTLING **2 semester hours**

A study of appropriate terms, drills, methods, and strategy for coaching wrestling.

360. ELEMENTARY SCHOOL PHYSICAL EDUCATION (K-6) **3 semester hours**

Emphasis placed on movement education and basic skills teaching with opportunity for laboratory experience.

361. MIDDLE SCHOOL PHYSICAL EDUCATION (6-9) **3 semester hours**

Designed for middle school teachers of Physical Education. Various teaching methods, including a movement approach, for teaching basic skills and specific sports skills are explored. Opportunity is given for laboratory experience.

362. HEALTHFUL LIVING IN THE ELEMENTARY SCHOOL **3 semester hours**

Provides a study of health, safety and physical education needs of elementary children and their integration within the curriculum, includes content and methodology.

363. METHODS AND MATERIALS OF GYMNASTICS **2 semester hours**

A study of gymnastics teaching methods for the secondary and elementary school levels. Skill development, teaching techniques, and safety procedures are emphasized. Prerequisite: HPEL 162 or permission of instructor.

365. METHODS AND MATERIALS OF DANCE **3 semester hours**

Fundamental movements, basic rhythmic techniques and basic dance steps. Includes folk dance, social dance, square dance, and creative dance, with emphasis on teaching methodology at the elementary and secondary school levels.

366. DANCE CHOREOGRAPHY **3 semester hours**

(Same course as DAN 366. See DAN 366 for description.)

367. HISTORY OF DANCE **3 semester hours**

(Same course as DAN 367. See DAN 367 for description.)

410. ORGANIZATION AND ADMINISTRATION OF HEALTH, PHYSICAL EDUCATION AND ATHLETICS **3 semester hours**

A study of appropriate organizational and administrative techniques needed to design and implement programs of physical education, health, intramurals, and athletics in schools, colleges and sport organizations.

411. MEASUREMENT AND EVALUATION IN HPEL **3 semester hours**

Includes techniques of the administration of basic motor ability tests, and tests of associated and concomitant learnings in sport activities, fitness and health, and means of utilizing test data for specified purposes.

412. CONSUMERISM AND COMMUNITY HEALTH**3 semester hours**

An analysis of health products, services and factors that influence personal choice in the health marketplace. A panoramic view of American health systems by exploring problems, forces, issues and trends that are changing the health system.

422. PHYSIOLOGY OF EXERCISE**4 semester hours**

The study of the effects of exercise on the body. Included are the effects of various types of exercise training programs and the evaluation of physical fitness. Laboratory activities include determination of reaction time, muscular strength, somatotype and body composition. Prerequisite: BIO 162.

423. PHYSICAL EDUCATION FOR THE EXCEPTIONAL CHILD**3 semester hours**

A presentation of the various types of handicapped conditions of children and young adults and the modes in which physical education can be adapted to meet the specific needs and interests of these groups. Spring semester only.

424. ADVANCED SPORTS MEDICINE IN ATHLETIC TRAINING**3 semester hours**

Advanced topics in Sports Medicine and Athletic Training including pain theory, theory and application of modalities of physical medicine, recognition, evaluation and treatment of athletic injuries, and organization and administration of athletic training. (Prerequisite: HPEL 221 or permission of instructor.)

425. OUTDOOR RECREATION SERVICES**3 semester hours**

A study of outdoor recreation policies, programs and activities. Contemporary issues and environmental quality are also emphasized.

461. SEMINAR IN ATHLETIC COACHING (Offered as needed.)**3 semester hours****471. SEMINAR: SPECIAL TOPICS****1-3 semester hours**

Topics selected to meet the needs and interests of students. Open to all Physical Education majors and minors or by permission of the department.

481. INTERNSHIP IN PHYSICAL EDUCATION**1-6 semester hours****491. INDEPENDENT STUDY****1-3 semester hours**

HISTORY

Chair, Department of History: Professor Crowe

Professors: G. Troxler, C. Troxler

Assistant Professors: L. Rich, Midgett, Welch, Lansen, Nicassio, Bissett

Part-time Professor: Delp

A major in History requires History 111, 112, 211, 212, one seminar course, plus 18 semester hours of electives in History; 3 semester hours from political science; plus 9 semester hours on the junior-senior level from the social sciences, literature, religion, or from any course in philosophy, psychology, or foreign language (at the 111 level or above).

History majors receiving teacher certification must have Geography 131 and Political Science 131 in addition to the required professional education courses.

A minor in History requires History 111, 112, 211, 212, one seminar, and three elective hours in history. A minor in American history requires History 211, 212, one seminar in American history, and nine elective hours in United States or Latin American history. A minor in European history requires History 111, 112, one seminar in European or English history, and nine elective hours from European, English, and/or Russian history.

111, 112. HISTORY OF WESTERN CIVILIZATION**3 semester hours each semester**

European history from the era of pre-history to the present. The cultural and social development of the various ancient and European cultures is given equal emphasis with the course

of events in political and economic spheres. History 111 covers the period from pre-history to the year 1660; History 112, the years 1660 to the present.

211, 212. AMERICAN HISTORY

3 semester hours each semester

American history from the period of discovery and colonization to the present. History 211 covers the period from discovery to 1864; History 212, the years from 1865 to the present.

251. HISTORY STUDIES ABROAD

3 semester hours

A specialized study for those participating in abroad programs. Opportunities include England, Russia, China, and Eastern Europe.

311, 312. HISTORY OF ENGLAND

3 semester hours each semester

English history from the time of Britain's first contacts with the Roman world to the present. History 311 is a survey of English history to 1603; History 312 covers the period from 1603 to the present. Prerequisites: HST 111, 112 or permission of instructor.

313. LATIN AMERICA: COLONIAL AND EARLY NATIONAL PERIODS

3 semester hours

The Americas south of the Rio Grande from the arrival of Europeans until most of the area established modern political patterns. Major topics include Spanish and Portuguese exploration and settlement, the interaction of Indian and Iberian cultures, the formation of colonial societies, and independence movements. Prerequisite: HST 111 or 211 or permission of instructor.

314. LATIN AMERICA IN THE TWENTIETH CENTURY

3 semester hours

A regional framework is used to explore social, political, economic and cultural developments in the Americas south of the Rio Grande. Major focus is on the period since 1910 and the social and political tensions of individual nations today. Prerequisite: HST 112, 212 or permission of instructor.

315. THE HISTORY OF RUSSIA TO 1917: THE IMPERIAL PERIOD

3 semester hours

A survey of Russian history from the founding of the Russian state to the fall of the Romanov dynasty in 1917. Prerequisite: HST 111 or 112 or permission of instructor.

316. THE HISTORY OF RUSSIA SINCE 1917: THE SOVIET PERIOD

3 semester hours

A detailed study of the personalities and political movements that have been important in Russia since the time of Lenin. The course will strongly emphasize Soviet domestic policies and their impact upon Russia and the world. Prerequisite: HST 112 or permission of instructor.

321. HISTORY OF MODERN CHINA

3 semester hours

A history of Chinese civilization from the beginning of the Manchu Dynasty in 1644 to the present day. The course examines the impact of China's ancient cultural and philosophical heritage on its modern history and explores the future of China in the modern world.

341. UNITED STATES FOREIGN POLICY TO 1939

3 semester hours

Diplomatic history of the United States from the Revolution to the outbreak of World War II. Emphasis is on the political and constitutional influences on United States foreign relations and the evolution of major policies. Prerequisite: HST 211, 212 or permission of instructor. (HST 341 is the same as PS 341.)

342. UNITED STATES FOREIGN POLICY SINCE 1939

3 semester hours

(Same course as PS 342. See PS 342 for description.)

343. SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES

3 semester hours

A study of influential trends arising from the experience of the American people in developing a national character. Particular attention is devoted to an analysis of philosophical, economic, literary and educational evolution of the nation from the colonial to the modern period. Prerequisite: HST 211, 212 or permission of instructor.

344. THE SOUTH IN AMERICAN HISTORY

3 semester hours

Focus is on factors that produced southern distinctiveness and the implications of this regional consciousness. Areas of emphasis include antebellum era, effects of Civil War and Reconstruction, sub-cultural persistence, Civil Rights movement, and emergence of the modern sunbelt. Prerequisite: HST 211 or 212, or permission of instructor.

345. AMERICAN MILITARY HISTORY**3 semester hours**

A course in the military history of the U.S. from 1775 to the present designed to help the student understand the role the military has played in American society. The course includes the military as a social class and the study of military principles, as well as campaigns and battles of major American wars. Prerequisites: HST 211, 212 or permission of instructor.

346. NORTH CAROLINA HISTORY**3 semester hours**

The history of North Carolina from the first discoveries of the area to the present. Prerequisites: HST 211, 212.

347. HISTORY OF WOMEN IN THE U.S.**3 semester hours**

This course will focus on the roles and influences of women in the United States, primarily during the centuries since nationhood was established. Students will examine the political, social, familial, and working patterns of women, within the context of American and Western history as a whole.

348. UNITED STATES SINCE 1933**3 semester hours**

Recent American history with emphasis on the political, social, and intellectual forces which shaped America since the Great Depression. Prerequisite: HST 212 or permission of instructor.

353. EUROPE IN TRANSFORMATION, 1100-1600**3 semester hours**

A study of Europe in the High Middle Ages and the Early Modern Period. It examines the development of medieval political, economic and social institutions and the role of the Catholic Church in European society and also the development of the Renaissance and its impact on the Protestant and Catholic Reformations. Prerequisite: HST 111 or permission of instructor.

354. EUROPE 1600-1791**3 semester hours**

A study of forces and movements converging in the American, French and Industrial Revolution. Major topics include the birth of modern science; the religious, social and political conflicts of the 17th century; the divergent growth of absolutism and constitutionalism; colonial rivalries; and the Enlightenment. Prerequisite: HST 112 or permission of instructor.

355. NINETEENTH CENTURY EUROPE 1791-1914**3 semester hours**

Political, social, economic and cultural developments with particular attention to the national and international problems, especially development of the principles of nationalism, liberalism, and imperialism. Prerequisite: HST 112 or permission of instructor.

357. TWENTIETH CENTURY EUROPE, 1914 TO PRESENT**3 semester hours**

Contemporary global developments with special emphasis on the development and conflicts of democracy and dictatorship, two World Wars, and the problems and background of current history. Prerequisite: HST 112 or permission of instructor.

361. SEMINAR: COLONIAL AMERICA**3 semester hours**

A topical approach to Early American History incorporating directed readings, class discussions and written reports. Topics include European exploration and a comparison of Spanish, French and British colonization. Prerequisite: HST 211 or permission of instructor.

362. SEMINAR: AMERICAN REVOLUTION, 1763-1789**3 semester hours**

Beginning with colonial resistance to British policy and concluding with the framing of the Constitution, emphasis is given to the philosophical basis of the revolution, military history, and political developments. Prerequisite: HST 211 or permission of instructor.

363. SEMINAR: AMERICAN CIVIL WAR**3 semester hours**

The course begins with an examination of the causes of the Civil War and culminates in a study of the conflict and leaders of the era. Prerequisites: HST 211, 212 or permission of instructor.

365. SEMINAR: AMERICAN SOCIAL REFORM**3 semester hours**

A study of primary and secondary sources relating to the movements which have caused social change in the United States from the period of the American Revolution to the present.

Temperance, antislavery, communitarianism and minority rights are among the topics explored. Prerequisites: HST 211, 212 or permission of instructor.

367. SEMINAR: ENGLAND IN THE AGE OF HENRY THE EIGHTH 3 semester hours
Tudor England from the accession of Henry the Seventh in 1485 to the death of Elizabeth I in 1603. For individual exploration and discussion, students select topics relating to the new sovereignty, Crown-Parliament relations, the growth of Protestantism, social change, and commercial expansion. Prerequisite: HST 111 or permission of instructor.

369. SEMINAR: SOVIET UNION 3 semester hours
A study of the Soviet Union from 1917 to the present day. Sessions focus on selected topics and readings with emphasis on major historical trends in the Soviet past that relate to current Soviet policies and international relations. Prerequisite: HST 112 or permission of instructor.

471. SEMINAR: SPECIAL TOPICS 3 semester hours
A specialized study of topics or themes in history. Prerequisite: Permission of instructor.

481. INTERNSHIP IN HISTORY 3 semester hours
An orientation program to familiarize students with careers in archives, records, historic sites, and museum administration; archaeology, the preservation of historic properties, and historical publications. Includes an orientation program and an internship of 10 hours per week for 10 weeks. Prerequisite: 18 semester hours of history. Offered spring semester.

491. INDEPENDENT STUDY 3 semester hours
Open to history majors and minors who have junior or senior standing or by permission of instructor.

HUMAN SERVICES

Chair: Associate Professor Higgs

Professors: Brogan, Granowsky

Assistant Professors: P. Kiser, Fromson

A major in Human Services requires Human Services 211, 212, 381, 411, 412, 413, 471, 481; two additional three semester hour courses selected from Human Services offering (one of which may be Mathematics 265 or Social Sciences 312 or Economics 246); and 15 semester hours (at least nine at 300-400 level) selected from Psychology and/or Sociology.

A major in Human Services prepares the graduate to work in society's many social welfare subsystems—health, education, mental health, welfare, family services, corrections, child care, vocational rehabilitation, housing, community service, and the law.

Prior to taking Human Services 381 students must be approved by the Human Services Screening Committee. Applications for the practicum are available in the office of the department chairman and must be submitted no later than October 1. A minimum grade point average of 2.10 is required to be eligible for practicum.

All other major requirements must be completed prior to taking Human Services 481. Students who enroll in Human Services 481 may not take any courses other than the prescribed block courses. Applications for taking the Internship must be submitted no later than March 1. A minimum grade point average of 2.20 is required to be eligible for block courses—Internship sequence.

A concentration in Social Work requires six hours selected from Human Services 231, 431 or 435; and Human Services 381 and 481. Human Services 381 and 481 must both be taken in a social work setting.

A concentration in Gerontology requires Human Service 211, 241, 324, 345, and 381. Human Services 381 must be taken in a facility or program for the elderly.

A minor in Human Services requires Human Services 211, 212, 381; Psychology 211 or Sociology 111; and two courses selected from Human Services 231, 431 and 435.

101. LEADERSHIP

2 semester hours

A study-practical experience course designed to increase knowledge and skills in leadership development. This course is appropriate for emerging as well as established leaders.

102. PEER COUNSELING

2 semester hours

A study-practical experience course designed to develop competency in interpersonal relations, to present the residence hall as a community, and to gain an understanding of personal and community problems. Open to all students and required of all Resident Assistants.

211. INTRODUCTION TO HUMAN SERVICES

3 semester hours

A study of the history and values of the human services profession, the worker-client relationship, and the helping process. Special emphasis is given to the qualities, skills and roles of the human services worker. A minimum of 25 hours of field work in an approved human services setting is required.

212. METHODS IN HUMAN SERVICES

3 semester hours

Designed to increase knowledge and skills in interviewing, individual counseling, group work, family work and community organization. A minimum of 30 hours of field work in an approved human services setting is required. Prerequisite: HUS 211.

221. EXPLORATIONS IN HUMAN SERVICES

3 semester hours

This course explores the various populations of human service consumers and the programs and services available to these populations. Critical reflection upon the various issues, concerns, and controversies related to specific service areas is encouraged.

231. SOCIAL GROUP WORK

3 semester hours

Designed to increase knowledge and skills in organizing, analyzing and working with human services groups. Special emphasis is given to group dynamics, group structure and the group worker role. Prerequisite: HUS 211 or SOC 111.

241. INTRODUCTION TO AGING

3 semester hours

An introduction to the field of gerontology. Emphasis is placed on the biological, sociological and psychological aspects of aging.

324. LEISURE AND AGING

3 semester hours

(Same course as HPEL 324. See HPEL 324 for description.)

345. ISSUES IN AGING

3 semester hours

Current issues in gerontology, including topics such as retirement, living environments, sexuality and finances.

381. PRACTICUM IN HUMAN SERVICES

3 semester hours

Preliminary field experience. Prerequisites: HUS 211, 212.

411. ADMINISTRATION, SUPERVISION AND FINANCE OF HUMAN SERVICES AGENCIES

3 semester hours

Principles and techniques in the administration of human services. Planning, staff selection, budgeting, financing, management, working with boards and volunteer groups. Prerequisites: HUS 211, 212.

412. PROFESSIONAL COMMUNICATION

3 semester hours

An in-depth study of interviewing and writing skills which are essential to the human services worker. Prerequisites: HUS 211, 212.

- 413. CURRENT ISSUES AND TRENDS IN HUMAN SERVICES** **3 semester hours**
 Current issues and trends including gerontology, services to the terminally ill and their families, responding to the client with special needs in areas such as sexuality and domestic violence, current legislation, and professional burnout. Prerequisites: HUS 211, 212.
- 431. PRINCIPLES OF COUNSELING** **3 semester hours**
 Counseling techniques for persons who will work in the helping professions. Includes psychodynamics of behavior and the principles of individual and group counseling. Prerequisite: PSY 421.
- 435. FAMILY COUNSELING** **3 semester hours**
 Emphasis is given to the methods of family counseling used by human service practitioners. Techniques include role plays and presentations by area professional counselors.
- 471. SEMINAR: SPECIAL TOPICS** **1-3 semester hours**
- 481. INTERNSHIP IN HUMAN SERVICES** **6 semester hours**
 This course provides the student with actual experience in a human service agency on a full-time basis for 7-8 weeks.
- 491. INDEPENDENT STUDY** **1-3 semester hours**

JOURNALISM

The journalism program is listed under Communications.

MATHEMATICS

Chair, Department of Mathematics: Associate Professor Reichard
Professors: Francis, W. Hightower, Haworth
Associate Professors: Alexander, Barbee, Speas
Assistant Professors: Richardson, Whitaker, Clark
Instructors: Crawford, C. Holt
Part-time Instructor: Walton

A major in Mathematics requires Mathematics 112, 121, 221, 241, 311, 312, 321, 425, 461; 9 additional semester hours of Mathematics at the 300-400 level (excluding 481); CS 130; CS 135 and Physics 113, 114, 115, 116.

For the student planning to teach mathematics required courses are Mathematics 112, 121, 221, 241, 311, 312, 321, 331, 341, 425, 461; CS 130, CS 135; and Physics 113, 114, 115, 116, in addition to the required professional education courses.

A minor in Mathematics requires Mathematics 112, 121, 221, 241, 311, and one additional 3- or 4-semester-hour course selected from computing sciences, Economics 246, or a mathematics course numbered 200 or above (excluding 261, 262, 481).

A student may exempt Math 111 and/or 112 by demonstrating proficiency.

- 100. INTRODUCTORY ALGEBRA** **3 semester hours (class meets 5 hours a week)**
 A course designed to strengthen the fundamental algebraic concepts of exponents, factoring, equation and inequality solving, algebra fractions, radicals and applications. This course or a demonstrated competence is required of all students. This course is not applicable to the general studies requirements. No credit is given to students having passed Math 111, or a course for which Math 111 is a prerequisite. A final grade of "C" is prerequisite for registration for any higher math course.

111. COLLEGE ALGEBRA**3 semester hours**

Topics include sets, real numbers, equations, inequalities, exponents, polynomials, rational expressions, relations, functions, and graphs.

112. TRIGONOMETRY AND ELEMENTARY FUNCTIONS**3 semester hours**

A study of basic functions and their applications. Topics include trigonometric, circular, exponential, logarithmic and inverse functions; trigonometric identities. Prerequisite: MTH 111 or competency.

121. CALCULUS AND ANALYTIC GEOMETRY I**4 semester hours**

Introduction to analytic geometry; functions; limits and continuity; differentiation of algebraic functions with applications; introduction to the definite integral; the fundamental theorem of integral calculus. Prerequisite: MTH 111 or competency.

160. TOPICS AND APPLICATIONS OF FINITE MATHEMATICS**3 semester hours**

Topics covered include matrices, linear systems, linear programming, probability, counting problems and elementary statistics.

165. APPLIED MATHEMATICS WITH CALCULUS**3 semester hours**

Topics include matrices, probability, functions, limits, derivatives and applications of derivatives. Credit will not be given to students who have passed or been exempted from Mathematics 121. Prerequisite: MTH 111 or competency.

221. CALCULUS AND ANALYTIC GEOMETRY II**4 semester hours**

Applications of the definite integral; differentiation and integration of transcendental functions; techniques of integration; indeterminate forms; improper integrals; plane curves and polar coordinates. Prerequisites: MTH 112 and 121.

241. LOGIC AND DISCRETE MATHEMATICS**3 semester hours**

An introduction to Discrete Structures including logic, sets, Boolean algebra, Combinatorics, mathematical induction, relations, functions, recursion and graphs. Prerequisite: MTH 121 or 165.

261, 262. MATHEMATICS FOR ELEMENTARY AND MIDDLE GRADES TEACHERS**3 semester hours each semester**

Primarily a content course open only to the students majoring in elementary or middle grades education. Topics include patterns, problem solving, sets, functions, flow charts, the metric system, development and properties of the real number system and its subsystems, basic concepts of algebra, selected topics of number theory, different numeration systems, ratio and percent, informal geometry, computers and their use in the classroom. Prerequisite to MTH 262 is MTH 261.

265. ELEMENTARY STATISTICS**3 semester hours**

A course in elementary statistics for students needing a general overview of modern statistics. Topics include organization of data, probability, measures of central tendency and variability, binomial and normal distributions, sampling, tests of hypothesis, estimation, correlation, regression and chi-square. Prerequisites: MTH 111 (or higher). Credit will not be given for both MTH 265 and ECO 246.

311. LINEAR ALGEBRA**3 semester hours**

An introductory course in linear algebra covering the following topics: vectors, vector spaces, matrices, determinants, systems of linear equations, and linear transformations. Prerequisite: MTH 221, 241.

312. MODERN ALGEBRA**3 semester hours**

An introductory course in abstract algebra covering major elementary aspects of the subject; properties of the integers, congruence, the real and complex number systems, integral domains, rings, fields, groups and polynomials. Prerequisites: MTH 241, 311.

315. NUMERICAL ANALYSIS**3 semester hours**

(Same course as CS 315. See CS 315 for description.)

321. CALCULUS AND ANALYTIC GEOMETRY III**4 semester hours**

Infinite sequences and series; three dimensional analytic geometry including vectors; differentiation and integration of multivariable functions; applications. Prerequisite: MTH 221.

331. MODERN GEOMETRY**3 semester hours**

A rigorous treatment of the axiomatic foundations of Euclidean geometry through Hilbert's axioms; the role and independence of the parallel postulate, revealed through models and neutral geometry; historical and philosophical implications of the discovery of non-Euclidean geometry with an introduction to both hyperbolic and elliptic geometry. Prerequisite: MTH 241.

341. PROBABILITY THEORY AND STATISTICS**3 semester hours**

Axiomatic probability; counting principles; discrete and continuous random variables and their distributions; sampling distributions and the central limit theorem. Prerequisite: MTH 221.

351. THEORY OF COMPUTATION**3 semester hours**

(Same course as CS 351. See CS 351 for description.)

421. DIFFERENTIAL EQUATIONS**3 semester hours**

Methods of solving and applications of ordinary differential equations. Prerequisite: MTH 321.

425, 426. ANALYSIS**3 semester hours each semester**

A rigorous study of the real numbers, sequences, series, limits, continuity, differentiation and integration. Prerequisites: MTH 312, 321.

461. SENIOR SEMINAR**3 semester hours**

A capstone experience for mathematics majors during their senior year of college work. Students will participate in research and presentation experiences on topics selected by the instructor and students. Emphasis will be placed on collection, organization, and presentation of advanced mathematical topics. Prerequisite: Senior standing or permission of the Mathematics Department.

471. SPECIAL TOPICS**3 semester hours**

Topics selected to meet the needs and interests of the student. Open to senior mathematics majors and others by permission of the department.

481. INTERNSHIP IN MATHEMATICS**1-3 semester hours**

Work experience at an advanced level in some aspect of the mathematical sciences. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: Permission of the Mathematics Department.

491. INDEPENDENT STUDY**1-3 semester hours**

Prerequisite: Permission of the mathematics staff. May be repeated with different topics. Maximum total credit, 8 semester hours.

MEDICAL TECHNOLOGY

Chair, Department of Biology and Allied Health; Professor H. House

Adjunct Assistant Professor and Program Director: J. Smith

Adjunct Assistant Professor and Medical Director: Gay

College Program Director: House

The medical technologist is responsible for laboratory management as well as the analysis of various body fluids and other biological specimens. The results of these tests enable physicians to diagnose and treat their patients properly.

The medical technology curriculum involves undergraduate preparation at Elon College and completion of the clinical curriculum at Moses H. Cone Memorial Hospital, where the affiliated hospital-based program is located.

Admission to the affiliated program is competitive, based on overall GPA, biology and chemistry GPA, evaluations by faculty and personal interview.

Upon successful completion of the hospital program, the student is awarded a Bachelor of Science degree in Medical Technology. Students who are not admitted into an MT program are able to complete a biology degree at Elon College and re-apply to one of the affiliated programs.

The requirements for the Bachelor of Science in Medical Technology are as follows: Biology 111, 113, 221, 312, 321, 341, 425; Chemistry 111, 112, 113, 114, 321, 322; Physics 111, 112, 115, 116; a one-hour course in immunology and completion of the clinical curriculum at Moses H. Cone Memorial Hospital.

MILITARY SCIENCE

Chair, Department of Military Science: Hanes

Assistant Professor: Coleman

Instructors: Thornton, Hebert

Elon College, in cooperative agreement with North Carolina A&T State University, offers an Army Reserve Officers Training (ROTC) program.

The Army Reserve Officers Training Corps Program provides a viable elective program for both male and female students. It is divided into a basic course and an advanced course which are normally completed during a four-year period. However, it is possible for veterans and other students who elect to undergo special training to complete the program in two years.

Programs of Instruction: Programs of instruction for the Army ROTC include a four-year program and a two-year program. The four-year program consists of a two-year basic course, a two-year advanced course and the advanced ROTC Summer Camp. The two-year program encompasses a basic ROTC Summer Camp, a two-year advanced course and the advanced ROTC Summer Camp.

Basic Course. The basic course is normally taken during the freshman and sophomore years. The purpose of this instruction is to introduce the student to basic military subjects: branches of the Army; familiarization with basic weapons; equipment and techniques; military organization and functions; and the techniques of leadership and command. It is from the students who successfully complete this instruction that the best qualified are selected for the advanced course which leads to an officer's commission. Credit for the basic course can be obtained by successful completion of Military Science 111, 112, 141, 142, 211, 212, 241, and 242. History 345 may be substituted for Military Science 211 or 212. Successful completion of Military Science 251, or prior service in the Armed Forces, can be used to obtain appropriate credit for the basic course.

Advanced Course: Students who receive appropriate credit for the basic course and meet eligibility standards are admitted to the advanced course on a best-qualified basis. Successful completion of the advanced course qualifies the student for a commission as a Second Lieutenant in one of the branches of the United States Army. The following courses are required for completion of the advanced course: Military Science 311, 312, 341, 342, 351, 411, 412, 441, 442 and History 345.

Two-Year Program: This program is designed for junior college students

or sophomores at four-year institutions who have not taken ROTC. A basic six-week summer training period after the sophomore year takes the place of the basic course required of students in the traditional four-year program. When a student with two years of college has successfully completed the basic summer training, he is eligible for the advanced ROTC course in his junior and senior years. The advanced course, which leads to an officer commission, is the same for students in either the four-year program or the two-year program.

111. INTRODUCTION OF CITIZEN/SOLDIER

1 semester hour

An introduction to the mission, organization, and history of ROTC; military and civilian obligations in relation to National Security; individual arms and marksmanship techniques; emergency medical treatment.

112. INTRODUCTION TO UNITED STATES MILITARY FORCES

IN SUPPORT OF NATIONAL DEFENSE

1 semester hour

A discussion of the mission and responsibilities of the United States Military Forces in support of national security with emphasis on the role of the individual participating citizen.

141, 142. LEADERSHIP LABORATORY

1 semester hour each semester

Military courtesy and customs of the service; basic military skills; drill experience; development of initiative and self-confidence; individual arms and marksmanship techniques.

211. MAP READING SKILL DEVELOPMENT

1 semester hour

A detailed study of orienteering to include basic fundamentals of map reading, grid systems, scale and distance, elevation and relief, military symbols, direction and location, and utilization of the declination diagram.

212. BRANCHES OF THE ARMY AND LEADERSHIP PRINCIPLES

1 semester hour

An orientation on each branch of the Army to acquaint students with the job areas available to the ROTC graduate. Additionally an appreciation is developed for the applicability of leadership principles, traits, and techniques in all job areas.

241, 242. LEADERSHIP LABORATORY

1 semester hour each semester

Emphasizes the functions, responsibilities, and duties of junior non-commissioned officers with particular attention devoted to the continued development of leadership potential.

251. ARMY ROTC BASIC CAMP

4 semester hours

Six weeks of training at Fort Knox, Kentucky. Training consists of Army history, role and mission, map reading/land navigation, rifle marksmanship, basic leadership techniques, physical training/marches, individual and unit tactics, communications. This course can be taken by rising juniors to substitute for 111, 112, 141, 142, 211, 212, 241, and 242. Prerequisite: Pass qualification tests.

311. LEADERSHIP TRAINING

2 semester hours

Special emphasis on the psychological, physiological and sociological facts which affect human behavior. Military teaching principles and how they affect the student.

312. INTRODUCTION TO MILITARY TEAM THEORY

2 semester hours

Fundamentals of offensive and defensive tactics. Introduction to the Soviet army. The role of each branch of the Army.

341, 342. LEADERSHIP LABORATORY

1 semester hour each semester

Designed to develop further leadership potential by encouraging participation in planning and conducting drills and ceremonies with emphasis directed to the functions, duties, and responsibilities of senior non-commissioned officers and junior grade commissioned officers.

351. ARMY ROTC ADVANCED CAMP

4 semester hours

Normally taken the summer following junior year. The training is conducted at designated United States Army installations. This internship is six weeks duration and can be substituted by attendance to Ranger School by qualified students. Prerequisite: MS 312.

411. SEMINARS IN LEADERSHIP AND PROFESSIONAL DEVELOPMENT**2 semester hours**

The relationship between commander and staff; staff and organizational skills and techniques; introduction to unit management and administration; introduction to military law; professional ethics; military briefings; leadership.

412. ADVANCED MILITARY TEAM THEORY AND ACTIVE DUTY ORIENTATION**2 semester hours**

An introduction to interpersonal skills; counseling and evaluation techniques; a study of army installation organizations; an introduction to training management; the law of war and the code of conduct; the Army Logistics System.

441, 442. LEADERSHIP LABORATORY**1 semester hour each semester**

Emphasizes the function, duties and responsibilities of junior Army officers with special attention directed to developing advanced leadership potential through active participation in planning and conducting military drill ceremonies.

451. AIRBORNE TRAINING**3 semester hours**

Three weeks of intensive airborne training to include physical conditioning, landing techniques, parachute safety, simulated jumps, procedures in and around aircraft, and five combat jumps from Air Force aircraft at 1250 feet. Prerequisite: Selection for this training is highly competitive. Only a few cadets, nationwide, are accepted.

MUSIC

Chair, Department of Fine Arts: Professor Myers

Professor: Bragg

Associate Professor: Ten Eyck

Assistant Professors: Lewis, E. Williams

Instructor: Erdmann

Part-time Professors: Artley, Oehler

Part-time Instructors: King, Sullivan, Dula, Johnson, Cykert, Gelb, Hauser, Metzger, Paolantonio, LaRocco, Reed

Requirements for the Major in Music

A major in Music for the A.B. degree requires Music 111, 112, 113, 114, 211, 212, 213, 214, 215, 313, 315, 316, 413, a choice of 411, 366 or 360; a minimum of 8 semesters of ensemble (Music 101, 102, 103), and keyboard proficiency and concert attendance as outlined in the *Music Student Handbook*. Applied music requirements are met when the student has completed at least one semester at the 400-level in his or her major performance medium and has presented a formal solo recital which is accepted by the music faculty.

Requirements for the Major in General Music

A major in General Music for the A.B. degree has the same courses, ensemble, keyboard proficiencies and concert attendance requirements as the major in Music. A formal solo recital is not required; however, the student must complete at least one semester at the 300-level in his or her performing medium. This major should not be elected by students planning careers as performers or as teachers in the public schools. However, it is appropriate for students who desire to pursue graduate study in theory, composition, or musicology.

Requirements for the Major in Music Education

Candidates for state certification for teaching music in the public schools should enroll in the program leading to a B.S. degree in Music Education. This program requires Music 111, 112, 113, 114, 211, 212, 213, 214, 215, 313, 315, 316, 361, 362, 363, 364, 365, 366-367, 411, 413, 461-462, a minimum of 6 semesters of applied study, 8 semester hours of ensemble (Music 101, 102, 103; see *Music Student Handbook* for required distribution of hours), and keyboard proficiency and concert attendance as outlined in the *Music Student Handbook*. The student must also complete the required professional education courses. Applied music requirements are met when the student has successfully completed at least one semester at the 300-level in his or her performance medium and has presented a half-recital which is accepted by the music faculty. Students must observe the requirements for the teacher education program as outlined under Education.

Candidates for state certification who also meet requirements for the A.B. degree in Music will be awarded the B.S. degree in Music and Music Education.

Requirements for the Music Minor

A minor in Music requires Music 111, 112, 113, 114, 215, 8 semester hours in one medium of applied music instruction, 4 semester hours in ensemble (any combination of Music 101, 102, 103), and a minimum of 4 semesters of concert attendance. Students lacking functional knowledge of keyboard must accumulate 2 semester hours in piano either prior to, or simultaneously with, their enrollment in Music 111, 112, 113, 114.

General Regulations

Department procedures, policies, and additional requirements are outlined in the *Music Student Handbook*, which can be obtained from the chairman of the Department of Fine Arts. Music majors and minors should request a copy upon enrollment.

Applied Music—Individual and Group Instruction

Music majors and minors register for the appropriate level and area of applied music study as determined by audition and consultation with their advisor or the chairman. With permission of the chairman of the Department of Fine Arts, the general college student may register for any course in applied music. One semester hour credit may be earned for a thirty-minute lesson per week. Two semester hours credit may be earned for a sixty-minute lesson per week. *Special fees applicable to applied music lessons are described on page 33.*

Applied Music Levels

Piano:
120, 220, 320, 420

Organ:
121, 221, 321, 421

Voice:
122, 222, 322, 422

Tuba:
127, 227, 327, 427

Flute:
128, 228, 328, 428

Oboe:
129, 229, 329, 429

Viola:
134, 234, 334, 434

Cello:
135, 235, 335, 435

String Bass:
136, 236, 336, 436

Trumpet:
123, 223, 323, 423

French Horn:
124, 224, 324, 424

Trombone:
125, 225, 325, 425

Baritone (Euphonium):
126, 226, 326, 426

Clarinet:
130, 230, 330, 430

Bassoon:
131, 231, 331, 431

Saxophone:
132, 232, 332, 432

Violin:
133, 233, 333, 433

Guitar:
137, 237, 337, 437

Percussion:
138, 238, 338, 438

Applied Music Classes—Group Instruction

152,153. VOICE CLASS I & II **1 semester hour each semester**
Group voice instruction (beginning and intermediate). Audition required.

154-157. PIANO CLASS I-IV **1 semester hour each semester**
Group piano instruction ranging from beginning to intermediate. Audition required.

158. GUITAR CLASS **1 semester hour**
This group course is for absolute beginners who want to develop musical skills with the guitar as the instrument. Using elements of classical guitar techniques as a foundation, the students will be able to play simple chords, melodies and songs.

258,259. DICTION FOR SINGERS **1 semester hour each semester**
Required of voice majors.

Music Materials, Structures and Techniques

111, 112. THE MATERIALS OF MUSIC I & II **3 semester hours**
A study of the fundamentals of music, diatonic harmony and elementary voice-leading and part-writing, introduction to harmonic-melodic form, analysis and synthesis of harmonic practices through the dominant seventh and its inversions. MUS 111 prerequisite for MUS 112.

113, 114. MUSIC SKILLS LAB I & II **1 semester hour each semester**
Melodic-harmonic-rhythmic dictation, sight singing and keyboard study. Designed to be taken in conjunction with Music 111, 112.

211, 212. THE MATERIALS OF MUSIC III & IV **3 semester hours**
A continuation of Music 111, 112 on a more advanced level including secondary seventh chords and chromatic harmony. Prerequisite: MUS 112.

213, 214. MUSIC SKILLS LAB III & IV **1 semester hour each semester**
Designed to be taken in conjunction with Music 211, 212.

254. JAZZ IMPROVIZATION **2 semester hours**
This course is for the instrumentalist who wants to develop skills in improvisational technique in jazz performance.

311. COUNTERPOINT I **2 semester hours**
Renaissance counterpoint in two, three and four parts, with application to various types of vocal and instrumental writing. Analysis of polyphonic compositions. Prerequisite: MUS 212.

312. COUNTERPOINT II **2 semester hours**
Baroque counterpoint in two, three and four parts, with application to various types of vocal and instrumental writing. Analysis of contrapuntal compositions. Prerequisite: MUS 311.

313. FORM AND ANALYSIS **2 semester hours**
Acquaints the student with the standard forms of tonal music through the aural and visual study of micro and macro forms in scores of representative works. Prerequisite: MUS 212.

411. INSTRUMENTAL AND CHORAL ARRANGING**2 semester hours**

Exploration of the technical possibilities and limitations of individual instruments and voices; arranging and transcribing for various groups and combinations of instruments and voices. Prerequisite: MUS 212.

412. COMPOSITION**2 semester hours**

Designed to explore the various approaches in composition in the 20th century, tonal as well as atonal, through analysis and synthesis in writing exercises. Attention is given primarily to composition in the small forms with emphasis upon statement and development within these forms. Prerequisite: MUS 411.

413. TWENTIETH CENTURY TECHNIQUES**2 semester hours**

A study of the changes which have taken place in music of this century. Techniques to be studied include atonality, polytonality, serialism, integral serialism, dodecaphony and electronic music.

Literature and History**215. INTRODUCTION TO MUSIC LITERATURE****3 semester hours**

Designed as an overview of the major periods of music, representative composers and their works through readings, lectures and listening. The course is offered for the general student who wishes to learn more about music and musicians, and it also serves the music major as an early general survey of the literature. (MUS 215 is the same as FA 215.)

217. INTRODUCTION TO MUSIC**3 semester hours**

Designed for the non-major, this course examines the manipulation of sound, silence and time to create "music". Attention is given to contemporary and classical forms and idioms. (MUS 217 is the same as FA 217.)

218. HISTORY OF JAZZ**3 semester hours**

A study of the people, times and development of the jazz entertainment form by examining the musical derivatives of jazz and the elements which comprise the individual styles as they have evolved since 1885. (MUS 218 is the same as FA 218.)

315, 316. HISTORY OF MUSICAL STYLES AND STRUCTURES**3 semester hours each semester**

A survey of the traditions, technical elements, composers and prime movers in the changing styles of western music from ancient Greece to the present. Prerequisite: MUS 212.

368. HISTORY OF AMERICAN MUSICAL THEATRE**3 semester hours**

(Same course as FA 368. See FA 368 for description.)

Music Education

The following Methods courses are required of all music majors seeking certification for the teaching of music in the public schools.

361. PERCUSSION METHODS**1 semester hours****362. BRASS METHODS****1 semester hour****363. WOODWIND METHODS****1 semester hour****364. CHORAL/VOCAL METHODS****1 semester hour****365. STRING METHODS****1 semester hour****366. CONDUCTING****2 semester hours each semester**

Development of skill in baton techniques, rehearsal techniques and interpretation in training and leading ensembles of instruments and voices.

368. MUSIC IN THE ELEMENTARY SCHOOL**2 semester hours**

This course provides the Elementary Education major with the basic concepts of music and the methods for implementing musical activities in the classroom. *Enrollment is limited to the Elementary Education majors of at least junior standing.*

461-462. MUSIC EDUCATION IN THE PUBLIC SCHOOLS**3 semester hours each semester**

A study of methods and materials suitable for the elementary, middle and senior school levels.

Ensembles**101. BAND (open to all students)** **1 semester hour****102. CHOIR (open to all students)** **1 semester hour****103. ORCHESTRA (by audition)** **1 semester hour****104. JAZZ ENSEMBLE (by audition)** **1 semester hour****105. CHAMBER SINGERS (by audition)** **1 semester hour****106. CHAMBER ENSEMBLE (by audition)** **1 semester hour****Other Offerings****251. MUSIC STUDIES IN ENGLAND** **3 semester hours**

A study-tour of England with emphasis on theaters, concerts and places of cultural importance. Winter Term only.

360. METHODS AND MATERIALS OF PIANO PEDAGOGY **2 semester hours**

Designed for students interested in teaching piano in a private studio. This course includes exploring class, group and individual instructional techniques for beginning and intermediate students, suitable repertoire, basic keyboard musicianship, and pupil psychology.

471. SEMINAR: SPECIAL TOPICS **1-3 semester hours**

Small group study under the guidance of a member of the staff.

481. PRACTICUM IN MUSIC THEATRE **1-3 semester hours**

A practicum in all aspects of theatre production. Students accepted by audition with the production director.

491. INDEPENDENT STUDY **1-3 semester hours****PHILOSOPHY***Chair:* Professor Sullivan*Assistant Professor:* Batchelor*Instructor:* Hilliard

A major in Philosophy requires Philosophy 111, 113, 115; three courses from Philosophy 341, 342, 343, 344, 345, 352, 355; three courses from Philosophy 331, 332, 333, 431, 432; the senior tutorial, Philosophy 461; and 6 semester hours in one foreign language at the 111 level or above. The Philosophy program is designed to allow and encourage a major to gain a career-related minor or even a double major.

A minor in Philosophy requires Philosophy 111, 113, and 115, plus 9 semester hours of additional Philosophy courses.

111. INTRODUCTION TO PHILOSOPHY **3 semester hours**

Introduces students to the philosophical approach to an understanding of their world and the basic issues of human experience. Examines and formulates specific contemporary problems and analyzes them in terms of the concepts and approaches of major philosophers.

113. LOGIC **3 semester hours**

A practical course in the art of thinking based upon an examination of the different types of reasoning and the requirements of logical consistency.

115. ETHICS**3 semester hours**

A critical study of the principles of morality based upon the classical system of ethics. Application of these principles is made to specific situations in which moral choices are made by individuals and policy-making bodies.

331. ANCIENT PHILOSOPHY**3 semester hours**

A study of the beginning of Western philosophy with concentration on the Golden Age of Greece. Focus is on Socrates, his predecessors, and his great successors, Plato and Aristotle.

332. MEDIEVAL PHILOSOPHY**3 semester hours**

Designed to aid the student enter into the world view of the period 400-1400 A.D. Includes an exploration of the medieval sense of hierarchy as evidenced in the doctrine of the Great Chain of Being. Special attention is given to such figures as Augustine in the early period; Bernard and Abelard in the 12th Century; and Bonaventure and Aquinas in the 13th Century.

333. MODERN PHILOSOPHY**3 semester hours**

Focus on the four crucial centuries (1500-1900) during which the modern Western world view developed. Specific attention given to developments in philosophical method, theory of knowledge and political philosophy. Major English and Continental thinkers such as Descartes, Locke, Hume, Kant, Hegel and Mill are studied.

341. PHILOSOPHY OF LAW**3 semester hours**

A basic examination of the nature, function and limits of law. Attention is given to human rights and natural justice, law and morality, theories of punishment and questions of legal responsibility. The course is of particular interest to students of business and political science.

342. PHILOSOPHY AND SOCIETY**3 semester hours**

A philosophical approach to the nature of society, looking toward the 21st century. Attention is given to the nature of the person; the relation of the person to social institutions; and the problems which arise in scientific methods when persons are the object of investigation.

343. AGES AND STAGES OF LIFE**3 semester hours**

A critical study of how fundamental life issues are understood and coped with at different points in a person's life history. The course utilizes theories from the Piagetian and psychoanalytic traditions, examines underlying notions of maturity, and seeks ways to integrate the intellectual, emotional, moral and spiritual dimensions of growth.

344. PHILOSOPHY OF SCIENCE**3 semester hours**

The course is designed to promote the intelligent, critical assimilation of scientific information through development of a general framework for the analysis of scientific claims. The course will examine the differences between well-supported scientific results and pseudo-scientific claims, and will devote particular attention to problems in theory-testing and in ascertaining causal relations. Prerequisites: PHL 113 or permission of instructor.

345. PHILOSOPHICAL PERSPECTIVES IN FEMINISM**3 semester hours**

Examination of various theories of feminism with special attention given to moral issues of justice and equal rights, sex and sex roles, abortion, equal opportunity, affirmative action, and women in sports.

352. EASTERN PHILOSOPHY**3 semester hours**

Part I centers on ancient China and explores the *I Ching* as well as the thought of Lao Tzu and Confucius. Part II examines the insights of the Buddha and follows the Mahayana strand of Buddhism as it enters China and becomes Zen. Part III examines the spirit of Zen and its influences on the arts and culture of Japan.

355. PHILOSOPHY OF RELIGION**3 semester hours**

A discussion of the basic problems of thought which arise from confronting the beliefs and experiences of religious persons. What are the distinguishing characteristics of religion? Can religious feelings and insights be expressed in common language? By what criteria can conflicting religious beliefs be judged? (PHL 355 is the same as REL 355.)

431. CONTEMPORARY PHILOSOPHY**3 semester hours**

Designed to acquaint students with currents of philosophical thought in the twentieth century

and to develop the skills of inquiry appropriate to these areas. Surveys the changing landscape of philosophy in this volatile century and introduces students to some of the key figures who have shaped that landscape.

432. AMERICAN PHILOSOPHY

3 semester hours

Focuses on the development of American pragmatism in the late 19th and early 20th Centuries, and on how pragmatism was influenced by the ideas of Darwin and his successors. Special attention is given to the work of William James. Also discussed are the pragmatists C.S. Peirce and John Dewey, as well as some opponents of pragmatism (such as Josiah Royce and Bertrand Russell). No prerequisites, but some background in philosophy is strongly recommended.

461. SENIOR TUTORIAL

2 semester hours

The senior tutorial, conducted by a director of studies in collaboration with the full department, will provide for a systematic review of ethics, logic and the history of philosophy. Attention will be paid to content and skills. Graduating seniors will take this tutorial in the fall of their senior year. (Philosophy majors only.)

471. SEMINAR: SPECIAL TOPICS

3 semester hours

491. INDEPENDENT STUDY

1-3 semester hours

PHYSICAL EDUCATION

The health and physical education programs are listed under Health, Physical Education and Leisure/Sports Management

PHYSICS

Chair, Department of Physical Sciences: Professor F. Harris

Associate Professor: Agnew, Wright

A major in Physics requires Physics 113, 114, 115, 116, 211, 212, 311, 312, 411, 421, 422; Mathematics 121, 221, and one 3-hour math course at the 300-400 level; Chemistry 111, 112, 113, 114. Students planning to attend graduate school should take Physics 412, 471 and Mathematics 311, 321, 421, 425, 426. Students planning to teach Physics in secondary school should refer to Science Education.

A minor in Physics requires Physics 113, 114, 115, 116, 201, and three courses chosen from Physics 211, 212, 311, and 312.

101. BASIC CONCEPTS OF PHYSICS

3 semester hours

Designed to meet partially the general requirement of the College. Topics from mechanics, thermodynamics, electricity and magnetism, wave motion, and atomic structure. No credit given to students having prior credit for Physics 111.

102. FUNDAMENTALS OF ASTRONOMY

3 semester hours

Designed to meet partially the general requirements of the College. Topics to include celestial motions, astronomical tools, the solar system, stars and stellar evolution, galaxies, and cosmological models.

107. CONCEPTUAL PHYSICS LAB

1 semester hour

Laboratory experiences to complement Physics 101. Physics 101 and 107 are required to satisfy the general studies requirement in Analysis.

108. ASTRONOMY LAB

1 semester hour

Laboratory experiences to complement Physics 102. Physics 102 and 108 are required to satisfy the general studies requirement in Analysis.

111, 112. GENERAL PHYSICS I AND II

3 semester hours each semester

An introductory course including topics from mechanics, thermodynamics, electricity, magnetism, optics, atomic and nuclear physics. Taken concurrently with PHY 115, 116.

113, 114. GENERAL PHYSICS I AND II WITH CALCULUS**3 semester hours each semester**

A survey course including topics from mechanics, thermodynamics, electricity, magnetism, optics, atomic and nuclear physics designed for physical science majors and pre-engineering students. Taken concurrently with PHY 115, 116. Prerequisite: MTH 121.

115, 116. GENERAL PHYSICS LABS I AND II**1 semester hour each semester**

Laboratory experiences for PHY 111, 112 or PHY 113, 114.

201. FUNDAMENTALS OF ELECTRONIC INSTRUMENTATION**3 semester hours**

Emphasis is on the operational aspects of electronics including basic circuit theory, devices and components, power supplies, amplifiers and hands-on experience with a variety of electronic measuring instruments. 2 class hours, 2 laboratory hours.

211, 212. MECHANICS AND HEAT**3 semester hours each semester**

An introduction to classical mechanics and thermodynamics. Topics include kinematics, Newton's Laws of Motion, harmonic motion, central forces, rigid body motion, and the First and Second Laws of Thermodynamics. Prerequisites: PHY 113, 114.

311, 312. ELECTROMAGNETISM AND OPTICS**3 semester hours each semester**

Fundamental concepts of electromagnetism. Electric and magnetic fields; Maxwell's equations; electromagnetic radiation; and geometrical and physical optics are topics to be included. Prerequisites: PHY 113, 114. Corequisite: MTH 121.

391. INDEPENDENT STUDY**1 or 2 semester hours each semester**

Library and/or laboratory research by the individual student. Open to students at all levels. Prerequisite: permission of Physics staff. Maximum total credit, 8 semester hours.

411, 412. MODERN PHYSICS**3 semester hours each semester**

First semester to include early quantum theory and special relativity, statistical mechanics, atomic and nuclear physics. Second semester devoted to quantum mechanics and applications to atomic and nuclear systems. Prerequisites: PHY 113, 114.

421, 422. ADVANCED LABORATORY**1 semester hour each semester**

Experiments in mechanics, thermal physics, electromagnetics, optics and atomic and nuclear physics designed to demonstrate physical phenomena, introduce research techniques, and provide training in the careful measurement of physical quantities. 3 laboratory hours per week. Senior physics majors only.

481. INTERNSHIP IN PHYSICS**1-3 semester hours****POLITICAL SCIENCE**

Chair, Department of Political Science and Public Administration: Professor Taylor

Associate Professors: Long, Zarzar, Anderson, C. Brumbaugh

A major in Political Science requires Political Science 131, 232 or 211, 241 or 331, 352 or 353, 471; Social Science 312; Information Systems 116; Economics 211; History 211, 212; and 18 additional hours in Political Science.

A minor in Political Science requires Political Science 131, 232 or 211, 241 or 331, 352 or Social Science 312; and 6 additional hours in Political Science.

131. INTRODUCTION TO AMERICAN GOVERNMENT**3 semester hours**

A study of the structure and functioning of the national government, including its constitutional basis; the system of separation powers, checks and balances, operation of the executive, legislative, and judicial branches.

- 211. INTRODUCTION TO PUBLIC ADMINISTRATION** 3 semester hours
(Same course as PA 211. See PA 211 for description.)
- 232. STATE AND LOCAL GOVERNMENT IN THE UNITED STATES** 3 semester hours
A study of the structure and functioning of the state and local government and its role within the federal system.
- 241. INTERNATIONAL RELATIONS** 3 semester hours
A study of analysis of the basic factors which determine international politics and relations among the nations including the practice of diplomacy, the development of the nation-state system, international law, and international cooperation and organization.
- 311. PUBLIC POLICY** 3 semester hours
(Same course as PA 311. See PA 311 for description.)
- 331. COMPARATIVE POLITICS** 3 semester hours
A comparative study of major political systems. Prerequisite: Junior or senior standing or by permission of instructor.
- 341. UNITED STATES FOREIGN POLICY TO 1939** 3 semester hours
(Same course as HST 341. See HST 341 for description.)
- 342. UNITED STATES FOREIGN POLICY SINCE 1939** 3 semester hours
A study of the foreign relations, foreign policy and international politics of the United States since 1939. Prerequisite: PS 131 or permission of instructor. (PS 342 is the same as HST 342.)
- 343. THE AMERICAN PRESIDENCY** 3 semester hours
A study of the contemporary presidency, with emphasis on the organization of the office, its relationship with other structures in American politics and its role in the policy-making process.
- 352. POLITICAL THOUGHT** 3 semester hours
A survey through the 19th century of the normative, empirical and ideological systems of thought as reflected in some of the world's great political thinkers. Attention is given to how these systems of thought contribute to contemporary politics and events. Prerequisite: Junior or senior standing or by permission of the instructor.
- 353. MODERN POLITICAL THOUGHT** 3 semester hours
A study and analysis of the major political concepts and ideas, including the great issues of politics from the 19th century to the present day, using both behavioral and non-behavioral methodological approaches. Prerequisite: Junior or senior standing or by permission of instructor.
- 354. POLITICAL SOCIALIZATION** 3 semester hours
The study of the ways in which society transmits its political culture from generation to generation. Methods will include the use of computers to test models of the political socialization process.
- 356. DEMOCRACY AND TOTALITARIANISM** 3 semester hours
An examination of the origins, development and characteristics of democratic and totalitarian ideas and institutions. Prerequisite: Junior or senior standing or by permission of instructor.
- 357. ELECTORAL BEHAVIOR** 3 semester hours
A study of the electoral process and an analysis of the determinants of voting behavior.
- 358. PARTIES AND INTEREST GROUPS** 3 semester hours
A study of the development, organization, functions and problems of political parties and interest groups and the role they play in elections and the policy making process.
- 362. TOPICS IN THIRD WORLD POLITICS** 3 semester hours
Study of a selected topic pertinent to third world politics.
- 420. WORKSHOP IN POLITICS** 3 semester hours
Personal experience in the political system of the U. S. is gained through active participation

in a political campaign. Each student is required to work as an intern for a candidate or political party of his own choosing. Regular seminars are held to exchange views and compare election and electioneering theory with the students' experience. Normally offered during the fall semester of election years.

441. WAR, PEACE AND CONFLICT RESOLUTION **3 semester hours**

An examination of the various theories of war and peace. Particular attention is given to the causes of war and the various approaches to peace. Prerequisite: Junior or senior standing or permission of instructor.

471. SEMINAR: SPECIAL TOPICS **3 semester hours**

481. INTERNSHIP IN POLITICAL SCIENCE **1-3 semester hours**

Prerequisites: PS 131 and 211.

491. INDEPENDENT STUDY **1-3 semester hours**

PSYCHOLOGY

Chair, Department of Psychology: Professor Granowsky

Associate Professor: Higgs

Assistant Professors: Pickens, Fromson, McClearn, Pullium, Green

Instructor: Cooksey

A major in psychology requires: PYS 211; MTH 265 and PSY 301; PSY 461; plus 27 semester hours from Psychology courses and/or Human Services 431, 435.

A minor in psychology requires PSY 211, plus 18 semester hours selected from Psychology courses and/or Human Services 431, 435.

211. GENERAL PSYCHOLOGY **3 semester hours**

An overview of the facts and principles of learning, motivation, personality, abnormal behavior, human development, biobehavioral relations, and social interaction.

221. INTRODUCTION TO BIOPSYCHOLOGY **3 semester hours**

This course explores the biological foundations of such aspects of behavior as learning and memory, movement, sleep, eating and drinking, and emotion, as well as abnormal conditions, such as schizophrenia and depressions. This course is intended for both majors and interested non-majors.

233. DEVELOPMENTAL PSYCHOLOGY **3 semester hours**

This course explores the theories, principles, and empirical study of human development. Emphasis is placed on exploring cognitive, physical, social and emotional development as the child grows from the preschool years through adolescence.

301. EXPERIMENTAL PSYCHOLOGY **4 semester hours**

An introduction to methods and techniques for conducting research in psychology. Goals include learning how to ask an answerable question, to develop an experimental design, to analyze data, and to report findings. Course includes a laboratory experience. Prerequisites: PSY 211, MTH 265.

305. APPLIED PSYCHOLOGY **3 semester hours**

This course provides an overview of several fields in which psychological principles and techniques are applied to human problems. These fields include health psychology, industrial/organizational psychology, consumer psychology, clinical psychology, school psychology, and psychology and law. Prerequisite: PSY 211.

313. HUMAN SEXUALITY **3 semester hours**

A comprehensive study of biological and cultural sexuality focused within both the cognitive

and affective domains. Topics of study include male and female physiology, pregnancy, childbirth, sexually transmitted diseases, contraception, sex roles, intimate relationships, parenting and deviant sexual behavior. Prerequisite: PSY 211 or PSY 233.

315. PSYCHOLOGY OF WOMEN

3 semester hours

This course will explore the psychological aspects of the issues and events of the female experience.

321. EDUCATIONAL PSYCHOLOGY

3 semester hours

Psychological principles involved in the process of teaching and learning; the nature of intelligence, motivation, individual differences, and emotional influences; the evaluation of learning. Prerequisite: PSY 211 or PSY 233.

323. SOCIAL PSYCHOLOGY

3 semester hours

This course explores ways in which people influence one another's behavior and beliefs. Various theoretical and methodological issues will be presented, as will specific topics such as altruism, aggression, attitudes, attributions, conformity, and person perception. Prerequisite: PSY 211.

332. PSYCHOLOGY OF EXCEPTIONALITY

3 semester hours

The study of the origins, symptoms and sequences of development of exceptional children who are emotionally, physically or mentally handicapped and those who are gifted and talented. Prerequisite: PSY 211 or PSY 233.

333. ABNORMAL BEHAVIOR

3 semester hours

An overview of behavioral pathology including a historical perspective of the treatment of individuals and discussion of the etiology, dynamics and modification of abnormal behavior. Prerequisite: PSY 211.

343. PERSONALITY

3 semester hours

A survey of the major theories of personality, including; psychoanalytic, social psychological, phenomenological, humanistic, cognitive, behavioral, and biological theories, Prerequisite: PSY 211.

353. MOTIVATION AND EMOTION

3 semester hours

An analysis of the biological, cognitive, and social bases of human motivation and emotion and their role in such areas of behavior as: hunger and thirst, sex, sleep and arousal, aggression and altruism, addiction and depression, achievement and creativity. Prerequisite: PSY 211.

361. ANIMAL BEHAVIOR

3 semester hours

This course will investigate the behavior of different types of animals, taking into account aspects of physiology, development, evolution and adaption. Such emphasis will be placed on various specialized structures and abilities (which may or may not be present in humans) that confer selective advantages upon their possessors. It is hoped that the student will gain an appreciation for the complexity and diversity of animal life, especially, of course, with respect to behavior. Prerequisite: Three courses in either psychology or biology.

362. CHEMISTRY AND BEHAVIOR

3 semester hours

This course will investigate the ways in which human behavior is affected by chemical processes. Initially, the fundamentals of brain chemistry (including the ability of brain cells to communicate with each other) will be presented. Then, there will be discussion of the effects of various substances, such as drugs (both licit and illicit), hormones, nutrients and pollutants on brain chemistry and the resulting alterations in perception, mood and behavior. Also to be covered are chemical abnormalities and treatments associated with various mental pathologies (for instance, schizophrenia and depression). Prerequisite: PSY 211 or BIO 111 or CHM 111.

363. INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY

3 semester hours

This course concerns the application of psychology to human behavior at work and in organizations. Topics will include personnel testing, selection, and training; organizational communication, leadership and motivation; and outcomes including work performance, absenteeism, turnover, job satisfaction and commitment. Prerequisite: PSY 211.

371-379. SPECIAL TOPICS IN PSYCHOLOGY**3 semester hours**

These courses present a rotating series of special topics in psychology. Among the offerings are: issues in gerontology; cross-cultural psychology; social cognition; topics in neuroscience; language development; developmental psychopathology; developmental biopsychology; cognitive development. Prerequisite: PSY 211.

411. PSYCHOLOGICAL MEASUREMENT**3 semester hours**

A survey of the techniques, uses, and importance of testing and measurement in the counseling and educational process. Particular emphasis is placed upon providing the student with experience in understanding and critically evaluating standardized tests. Prerequisites: PSY 211, plus nine additional semester hours in Psychology.

421. ADVANCED PERSONALITY THEORY**3 semester hours**

An examination of the major theoretical approaches to personality. Emphasis will be concentrated on the underlying assumptions and theoretical concepts of these approaches. Prerequisites: PSY 211, PSY 343, and six additional hours in Psychology.

431. THEORIES OF LEARNING AND COGNITION**3 semester hours**

An in-depth survey of the major theories of learning from the early connectionist theories to the more contemporary cognitivist theories. Prerequisites: PSY 211, plus nine additional semester hours in Psychology.

461. SENIOR SEMINAR: ADVANCED EXPLORATIONS IN PSYCHOLOGY**3 semester hours**

This capstone course in the major provides an in-depth analysis of the development and current status of the research base across the major domains of psychology. Students will conduct a major literature review of the research in their chosen topic. In addition to their written literature review, students will develop a lecture on their topic to present to students in appropriate sections of 200-level courses. Prerequisite: Senior Psychology Major.

462. SENIOR THESIS**3 semester hours**

This course provides the advanced student the opportunity to complete an independent, original piece of empirical research in psychology. Students will meet to present and critique one another's ideas at each stage of the research process: topic development, selection of methods, analysis of data, and discussion of findings. Students will present their final report in both standard written form and in an appropriate forum for oral presentation. Students may also assist in conducting the PSY 301 lab. Prerequisite: Senior Psychology Major, or by permission of instructor.

471. SPECIAL TOPICS**3 semester hours****481. INTERNSHIP IN PSYCHOLOGY****1-3 semester hours**

This course provides the opportunity for the upper-level student to apply psychological theories and techniques to actual experiences in the field. Up to 3 semester hours of internship may be applied to meeting major requirements. Prerequisite: Majors only, faculty approval.

491. INDEPENDENT STUDY**1-3 semester hours**

PUBLIC ADMINISTRATION

Chair, Department of Political Science and Public Administration: Professor Taylor

Associate Professor: Brumbaugh

A major in Public Administration requires Public Administration 211, 311, 431, 471; Political Science 131, 232; Social Science 312; Accounting 211; Economics 211, 212; and Information Systems 116. Additional requirements are 12 semester hours chosen from the following: Public Administration courses; JC 210; Economics 313, 321, 332; Business Administration 323 or

303; 325, 328; HPEL 327, 425; and Political Science 343, 420, 471.

A minor in Public Administration requires Public Administration 211, 431; Social Science 312; Political Science 131; and Business Administration 323 or 303, and 425.

211. INTRODUCTION TO PUBLIC ADMINISTRATION

3 semester hours

A study of the basic principles of organization, location of authority, fiscal management, personnel management, and forms of administrative action in the public service.

311. PUBLIC POLICY

3 semester hours

A study of policymaking and the implementation of policies in government, with emphasis on the role of the bureaucracy in this process. Prerequisite: PA 211.

351. PROBLEMS AND ISSUES IN PUBLIC ADMINISTRATION

3 semester hours

A study of major current problems and issues in public policy-making and administration, including crime, energy, equality, ethics in government, inflation, poverty, and protection of the environment. Prerequisite: PA 211.

431. POLICY ANALYSIS AND PROGRAM EVALUATION

3 semester hours

An examination of two aspects of the policy process for the decision-maker: Policy Analysis, which precedes program implementation and attempts to influence the decision-making; and Program Evaluation, which is a method of determining the degree to which a program is meeting its objectives and the effects created by the program. Prerequisite: PA 211.

471. SEMINAR: SPECIAL TOPICS

3 semester hours

Advanced topics selected to meet the needs of the students who have completed most of their study in Public Administration. Open to seniors majoring in Public Administration, Political Science, History, or with permission of instructor.

481. INTERNSHIP IN PUBLIC ADMINISTRATION

1-6 semester hours

Prerequisites: PA 211 plus 3 semester hours in Public Administration or Political Science.

491. INDEPENDENT STUDY

1-3 semester hours

RELIGION

Chair, Department of Religion: Professor Chase

Professors: W. Rich, Pace

Assistant Professors: McBride, Wilson, Pugh

Part-time Instructor: Montgomery

A major in Religion requires 45 hours: Religion 111, 112, 121, 131, 141, 492, 21 semester hours of additional Religion courses (at least 18 semester hours at the 300-400 level), and six semester hours of a foreign language at the 111 level or above. Greek 111, 112 are recommended for all Religion majors, and Greek 211, 212 may be substituted for Religion courses with departmental approval.

A minor in Religion requires 18 semester hours of Religion courses, with at least 9 of these semester hours taken in junior-senior level courses.

111. INTRODUCTION TO THE OLD TESTAMENT

3 semester hours

The history, literature and religion of the Hebrew people as viewed against the background of ancient Near Eastern culture.

112. INTRODUCTION TO THE NEW TESTAMENT

3 semester hours

The rise and development of Christianity and its literature.

121. WORLD RELIGIONS

3 semester hours

The origin, historical development and beliefs of selected religious traditions.

131. RELIGIOUS THINKING**3 semester hours**

An introduction to the study of religion including religion and society and the diversity in religion.

141. RELIGIOUS VALUES AND DECISION MAKING**3 semester hours**

An introductory study of practical religious values, their relationship to the decision-making process, and the dimensions of the decision-making process itself. Fundamental values of the Judeo-Christian tradition are explored. On occasion a one-hour internship is available with this course.

251. RELIGION STUDIES ABROAD**3 semester hours**

Study-tours in England and the Middle East (Israel, Egypt and Jordan). Winter Term only.

321. ARCHAEOLOGY OF THE ANCIENT NEAR EAST**3 semester hours**

A survey of major archeological research as it relates to the Near East, with particular emphasis on Egypt, Palestine and Mesopotamia. Prerequisite: Junior or senior status, or permission of instructor.

322. OLD TESTAMENT PROPHETS**3 semester hours**

A study of the background, personal characteristics, function, message and present significance of the Hebrew prophets. Prerequisite: Junior or senior status, or permission of instructor.

323. WISDOM LITERATURE**3 semester hours**

This course examines the nature, history, and content of Old Testament Wisdom literature: Proverbs, Job, Ecclesiastes, and some Psalms. Current views of Old Testament scholars are also examined. Prerequisite: Junior or senior status, or permission of instructor.

326. THE WRITINGS OF PAUL**3 semester hours**

An analysis of major motifs of Paul's theology by means of an interpretation of his New Testament writings. Prerequisite: Junior or senior status, or permission of instructor.

327. THE GOSPEL OF JOHN**3 semester hours**

A study of the key motifs in the theology of the Gospel of John. Special emphasis on the sources, the various stages of composition and the literary and rhetorical characteristics. Prerequisite: Junior or senior status, or permission of instructor.

328. THE SYNOPTIC GOSPELS**3 semester hours**

A study of the origin, composition, form, content and theological perspective of Mark, Matthew, and Luke. Prerequisite: Junior or senior status, or permission of instructor.

334. MODERN RELIGIOUS THINKERS**3 semester hours**

An examination of the theologies of selected major thinkers in the Judeo-Christian tradition. Prerequisite: Junior or senior status, or permission of instructor.

336. LIFE AND THOUGHT OF THE CHRISTIAN CHURCH**3 semester hours**

This course examines the influence of Christianity in a socio-cultural and theological perspective. From its Jewish antecedents to the present day, church personalities, controversies, and decisions will be examined. Prerequisite: Junior or senior status, or permission of instructor.

338. TYPES OF THEOLOGY**3 semester hours**

Beginning with background in historical theology, the class will study different theological perspectives and developments of the modern world. Prerequisite: Junior or senior status or permission of the instructor.

341. CHRISTIAN ETHICS**3 semester hours**

A systematic and biblically based study of the types and principles of Christian ethical theory with special attention to the analysis of selected personal and social ethical issues. Prerequisite: Junior or senior status, or permission of instructor.

345. THEOLOGY OF HUMAN LIBERATION**3 semester hours**

Analysis of contemporary types of liberation theology such as third-world liberation, Black liberation, and women's liberation through a study of significant representative writings. Prerequisite: Junior or senior status, or permission of instructor.

347. WOMEN AND RELIGION**3 semester hours**

A consideration of both the impact which religion past and present has had on women in home, church, and society and the impact which women past and present have had on religion, religious thinking, and religious institutions. Prerequisite: junior or senior status, or permission of the instructor.

355. PHILOSOPHY OF RELIGION**3 semester hours**

(Same course as PHL 355. See PHL 355 for description.)

365. LITERATURE AND THEOLOGY**3 semester hours**

(Same course as ENG 365. See ENG 365 for description.)

471. SEMINAR: SPECIAL TOPICS**1-3 semester hours****491. INDEPENDENT STUDY****1-3 semester hours**

Individual study of some area of special interest under the guidance of a member of the department. Open only to Religion majors or minors who have Junior or Senior standing or by permission of instructor. Maximum of 6 semester hours per student.

492. SENIOR SEMINAR**3 semester hours**

SCIENCE EDUCATION

In addition to the Education and Psychology courses required of all Secondary Education majors, a major in Science Education requires the completion of one of the certification areas described below.

Secondary Science Comprehensive Certification

Completion of all courses from one of the areas of Biology, Chemistry or Physics listed below, plus 8 semester hours from each of the other two listed areas, Mathematics 111, (also Math 121 and 221 for Physics option), Geography 121, Chemistry 103 and Physics 102.

Biology 111, 113, 221, 222, 311, 322, 345, 452

Chemistry 111, 112, 113, 114, 221, 321, 322, 323, 324, 411

Physics 113, 114, 115, 116, 201, 211, 212, 311, 312 or 411

Secondary Science Certification

Completion of all courses from one of the areas of Biology, Chemistry or Physics listed below, plus 12 semester hours from one of the other two listed areas, Mathematics 111, (also Math 121 and 221 for Physics option), Geography 121, Chemistry 103, and Physics 102.

Biology 111, 113, 221, 222, 311, 322, 345, 452

Chemistry 111, 112, 113, 114, 221, 321, 322, 323, 324, 411

Physics 113, 114, 115, 116, 201, 211, 212, 311, 312 or 411

Recommended electives for the Science Education major include Mathematics 121, 265 and Computer Information Systems 116.

Secondary Science endorsement requires 18 semester hours from one of the areas of Biology, Chemistry or Physics.

SOCIAL SCIENCE

Chair, Department of Social Sciences: Professor T. Henricks

Professors: G. Troxler, Crowe, C. Troxler, Taylor

Associate Professors: Long, Toney, Zarzar, Brumbaugh, Basirico, Arcaro

Assistant Professors: Cates, Midgett, Welch, Ireland, Nicassio

Part-time Professor: Delp

A major in Social Science requires Economics 211, 212; Geography 121, 131; History 111, 112; Political Science 131, 241; Psychology 211; Sociology 111, 112; Social Science 312; Mathematics 265; plus 18 semester hours (12 from 300-400 level) in one of the following areas (concentrations): Geography, History, Political Science, Public Administration, Psychology, Sociology. Specific concentration course requirements may be stipulated.

In addition to the Education and Psychology courses required by all secondary majors, a major in Social Science receiving teacher certification must complete Economics 211, 212; Geography 131 and 311 or 321; History 111, 112, 211, 212; Political Science 131, 241; Psychology 211; Sociology 111, 112; Social Science 312; Mathematics 265; plus 18 semester hours at the 300-400 level from three of the following areas: Geography, History, Political Science, Public Administration, Psychology and Sociology.

312. RESEARCH METHODS

3 semester hours

Examines basic scientific methods including problems of definition, concept formation, hypothesis testing, explanation and prediction. Included is a critical analysis of research problems which are susceptible to the use of quantitative data.

SOCIOLOGY

Chair, Department of Sociology: Professor T. Henricks

Associate Professors: Basirico, Arcaro

Assistant Professor: Bolin

A major in Sociology requires Sociology 111, 311 or 345, 112 or 321, 351, 485, plus 18 semester hours of additional Sociology courses; Information Systems 116; Mathematics 265; Social Science 312.

A minor in Sociology requires Sociology 111, 211, plus 15 semester hours selected from Sociology courses.

111. INTRODUCTORY SOCIOLOGY

3 semester hours

An introduction to the basic theoretical principles and research methods distinctive of modern sociology. Among the issues considered are the relationship between culture, personality, and society; the fundamental forms of social structure; social institutions, such as religion and the family; and basic social processes, such as deviance and social change.

112. ANTHROPOLOGY

3 semester hours

An exploration of the meaning of human nature as this has developed over time and is given expression in human societies. Emphasis is placed on the physical evolution of the human species, on methods used to study both physical and social evolution, and on the nature and development of human language.

211. SOCIAL PROBLEMS

3 semester hours

An examination of various public issues which attempts to dispel persistent fallacies regarding these issues and to provide a distinctively sociological framework for such investigations. Course focuses on causes, consequences, and treatment of such problems as poverty, crime, discrimination, mental disorders, drug abuse, violence, and population pressures. Prerequisite: SOC 111.

311. THE FAMILY

3 semester hours

An investigation of the family as an institution in societies. Focus is upon both the develop-

ment of and current patterns in the American family. Specific topics include social class differences, racial and ethnic variations, premarital patterns, marital interaction, family problems, and the future prospects for the family. Prerequisite: SOC 111.

313. CRIME AND DELINQUENCY

3 semester hours

An analysis of juvenile delinquency and adult crime as categories of social behavior. Particular attention is given to the social organization of criminals and to an analysis of the criminal and juvenile justice systems. Prerequisite: SOC 111.

321. CULTURAL ANTHROPOLOGY

3 semester hours

An analysis of the organization of primitive and traditional societies. Focusing on the concept of "culture," the course describes the theories and methods used by anthropologists studying primitive peoples. Prerequisite: SOC 111 or 112.

331. THE SELF AND SOCIETY

3 semester hours

An examination of the ways in which individuals are influenced by their social interaction with others in society. Particular attention is given to the interaction processes in which individuals are socialized and develop an identity, and how individuals' identities enter into their interactions. The nature of interpersonal control is discussed. The sociological perspectives of symbolic interactionism and dramaturgy are explored in depth. Prerequisite: SOC 111.

333. SOCIAL STRATIFICATION

3 semester hours

A study of social differentiation, particularly those differences which result in the ranking systems of power, wealth, and prestige. The course concentrates on the different positions individuals and groups hold, their corresponding rights and responsibilities, and how those roles influence social action. Emphasis is placed upon institutionalized social inequality within the United States. Prerequisite: SOC 111.

341. ETHNIC AND RACE RELATIONS

3 semester hours

An analysis of the meaning of minority group status in modern societies both in general terms and also with regard to the more specific problems and prospects featured in the development of various individual groups in American society. Emphasis is placed on the nature of prejudice and discrimination, and strategies toward social equality. Prerequisite: SOC 111.

343. SOCIAL AND CULTURAL CHANGE

3 semester hours

An analysis of social and cultural change in modern societies. Emphasis is given to the various sociological approaches to the study of social change as well as to the causes, consequences, and responses to change. Of particular concern is the process of modernization. Prerequisite: SOC 111.

344. SOCIAL DEVIANCE

3 semester hours

An analysis of processes of norm-violation by individuals or groups in society. Emphasis is placed upon the psychological, cultural, and social factors that contribute to deviance in such areas as mental health, alcohol and drug dependence, sexual expression, and acts of violence. Prerequisite: SOC 111.

345. SOCIOLOGICAL PERSPECTIVES ON WOMEN & MEN

3 semester hours

Sociological perspectives, theories, and concepts are used to critically analyze the social meaning of being female and male in American society. Emphasis is placed on analyzing the inequities based upon gender, particularly the problems faced by women. Prerequisite: Sociology 111.

351. SOCIOLOGICAL THEORY

3 semester hours

An exploration of conceptualization and model-building in the development of modern sociology. In considering the historical emergence of different sociological traditions or perspectives, the course will concentrate on the underlying assumptions, historical and intellectual background, and logical consequences of these positions. Prerequisite: SOC 111.

471. SEMINAR: SPECIAL TOPICS

1-3 semester hours

481. INTERNSHIP IN SOCIOLOGY

1-3 semester hours

Limited to 3 semester hours credit applicable to Sociology major or minor. Prerequisite: Department permission.

485. SENIOR SEMINAR IN SOCIOLOGY

3 semester hours

A capstone experience for sociology majors during their final year of college work. Students will participate in a review and creative synthesis of central themes of the discipline as well as in an evaluation of their sociological skills/knowledge and personal objectives. In addition, each student will develop and present formally a work of original scholarship. Prerequisite: Senior standing as sociology major or permission of instructor.

491. INDEPENDENT STUDY

1-3 semester hours

THEATRE

Chair, Department of Fine Arts: Professor Myers

Assistant Professors: Drtina, Rubeck

A minor in Theatre Arts requires Theatre 101, 220, 211, 210 (3 semester hours); and two courses (6 semester hours) selected from Theatre courses at the 300/400 level.

101. INTRODUCTION TO THEATRE

3 semester hours

An exploration of the theatre as a dynamic art form and how the author, director, actor and designer work together to create the final product.

210. THEATRE WORKSHOP

1-3 semester hours

A practicum in all aspects of theatre production. Students must arrange a learning contract with the instructor at the beginning of each term.

211. STAGECRAFT

3 semester hours

The basic theory and practice of set construction, including drafting skills and the basic elements of design. A weekly lab is required.

220. FUNDAMENTALS OF ACTING

3 semester hours

Designed to teach students to express themselves freely in the theatre environment. Objectives are to achieve a comprehension of the nature and the meaning of the dramatic experience, and the sense of the operative theatre.

310. ADVANCED THEATRE WORKSHOP

1-3 semester hours

An advanced practicum in theatre for those students who have significant experience in theatre production through course work or participation in department productions. *Students must have permission of instructor.*

312. LIGHTING DESIGN

3 semester hours

The theory and practice of the aesthetics of stage lighting design and the process of lighting the stage space.

320. INTERMEDIATE ACTING

3 semester hours

An exploration of the various techniques of analysis, rehearsal and performance with particular emphasis upon scene study.

330. PLAY PRODUCTION

3 semester hours

A study of the work of the theatrical director. With script analysis as the cornerstone of the decision-making process, students will follow the sequence required to produce a play. Prerequisite: TH 210, 220 or permission of instructor.

WOMEN'S STUDIES

Coordinator: Professor Smith

A minor in Women's Studies requires 15 hours chosen from WS 211, Economics 317, English 333, History 347, Philosophy 345, Psychology 315, Religion 347, Sociology 345, and WS 371-79. In addition WS 411 is required as a senior seminar.

- 211. INTRODUCTION TO WOMEN'S STUDIES** 3 semester hours
 A survey of some of the major issues affecting women today, such as theories of sex difference, social role expectations, historical precedents for women's current status, and feminist critique of the tradition.
- 371-379. TOPICS IN WOMEN'S STUDIES** 3 semester hours
- ECO 317. THE ECONOMICS OF WOMEN** 3 semester hours
 (See ECO 317 for description)
- ENG 333. FEMINIST APPROACHES TO LITERATURE** 3 semester hours
 (See ENG 333 for description)
- HST 347. HISTORY OF WOMEN IN THE U.S.** 3 semester hours
 (See HST 347 for description)
- PHL 345. PHILOSOPHICAL PERSPECTIVES IN FEMINISM** 3 semester hours
 (See PHL 345 for description)
- PSY 315. PSYCHOLOGY OF WOMEN** 3 semester hours
 (See PSY 315 for description)
- REL 347. WOMEN AND RELIGION** 3 semester hours
 (See REL 347 for description)
- SOC. 345. SOCIOLOGICAL PERSPECTIVES ON WOMEN AND MEN** 3 semester hours
 (See SOC 345 for description)
- 411. SEMINAR: FEMINIST STUDIES** 3 semester hours
 Seminar in contemporary feminist theory. Students will pursue independent research on historical and contemporary social, political, and literary topics, using a feminist perspective and the resources of scholarship in the disciplines. Prerequisites: Senior standing and 3 courses in Women's Studies.

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B.S., Eastern Nazarene College; M.Mus., Southern Methodist University;
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- W. Scott Thomson**, 1986, *Assistant Professor of Education*
A.A., Santa Fe College; B.A., University of West Florida; M.S., Ph.D.,
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- Karen S. Thompson**, 1985, *Assistant Professor*; *Director of Placement*
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- Thomas K. Tiemann**, 1984, *Associate Professor of Economics*; *Dean,*
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A.B., Dartmouth College; Ph.D., Vanderbilt University; Post-doctoral
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- James T. Toney**, 1960, *Associate Professor of Economics*
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- Carole W. Troxler**, 1971, *Professor of History*
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- George W. Troxler**, 1971, *Professor of History*; *Coordinator of Cultural
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Student Affairs

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 Priscilla Schlabach, *Secretary to the Dean of Student Affairs*

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 Richard W. McBride, B.S.Ed., M.Div., Th.M., *Chaplain*
 Edie Alexander, *Secretary to the Chaplain*
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 Felicia F. Massey, A.B., *Administrative Assistant to the Assistant Dean of Student Affairs*
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 Kathleen Hallissey, B.S., M.A., *Area Director*
 Terry D. Creech, *Director of Safety and Security*
 James Deberry, B.S., *Traffic Coordinator*
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 Mary Jane Salter, R.N., *Director of Health Services*

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 Barry A. Bradberry, A.B., M.Ed., *Associate Dean of Admissions and Financial Planning*
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 Ann T. White, B.S., *Associate Director of Financial Planning*
 L'Tanya T. Burch, A.B., *Associate Director of Admissions/Placement Officer*
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 Catherine B. Williams, B.S., *Associate Director of Admissions*
 Susan S. Semonite, A.B., *Assistant Director of Admissions*
 J. Timothy Spink, A.B., *Assistant Director of Admissions*
 Greg Zaiser, B.S., *Admissions Counselor*
 Susan Anders, B.S., *Assistant Director of Financial Planning*
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 Penny Davis, *Secretary, Graduate and International Admissions*
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 Yvette T. Slade, *Coordinator of Data Processing*
 Julia H. Tabor, *Admissions Receptionist*
 Gwynne Warren, *Staff Secretary/Bookkeeper*
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Registrar's Office

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Angela M. May, B.S., M.B.A., *Assistant Registrar*
Jane T. Fowler, *Assistant to the Registrar for Statistical Analysis*
Phyllis E. Creech, *Secretary to the Registrar*
Cheryl W. Whitesell, *Registration-Graduation Clerk*
Melissa D. Clark, *Data Entry Operator*
Sandy L. Smith, A.B., *Records Clerk*

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Drew Van Horn, B.A., M.A., *Director of Alumni and Parent Relations*
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Karen L. Hughes, *Assistant Cashier*
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Margaret G. Clapp, *Accounts Payable Clerk*
Carolyn W. Moore, *Accounts Payable Data Entry Clerk*
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Gail B. Key, *Secretary to the Accounting/Purchasing Offices*

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Willie L. Williams, *Campus Shop Assistant Manager*
Barbara F. Cox, *Print Shop Manager*
Tracy Murray, *Print Shop/Mail Services Clerk*
Rebecca W. Matthews, *Typesetting Manager*
Teresa A. Saul, *Telecommunications Office Manager*
Stephen D. Holt, *Telecommunications Service Manager*
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Sharon R. Justice, *Mail Services Clerk*
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R. Douglas McIntyre, B.S., *Assistant Programmer*
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Faye D. Conally, *Secretary*
Dottie Barr, *Switchboard Operator*

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Paul C. Holt, *Electrical Services Manager and Assistant Director of Maintenance*
H. Allen Smith, *Mechanical Services Supervisor*
J. Lewis Simpson, *Landscaping Supervisor*
C. Andrew Carroll, *Custodial Services Supervisor*
C. Ray Brown, *Carpentry Supervisor*
Lloyd L. Routh, *Grounds Supervisor*
Donna H. DeWoody, *Secretary for Physical Plant*

Purchasing

Vickie S. Martin, *Purchasing Officer*
Nancy V. Isley, *Purchasing Clerk*

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- Kyle D. Wills, A.B., *Athletics Business Manager*
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- Wayne W. Hicks, B.S., M.S., *Assistant Football Coach; Assistant Track Coach*
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- Robert J. Burton, Jr., B.A., M.S., *Head Basketball Coach*
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- Larry Leonard, *Assistant Basketball Coach*
- Robert A. Brewer, B.S., M.S., *Men's and Women's Soccer Coach*
- Michael T. Harden, B.S., M.S., *Baseball Coach*
- John N. Patterson, B.A., M.Ed., *Assistant Football Coach, Offensive Line*
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- Andrea H. Albertson, *Secretary to the Athletic Department*
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- Susan C. Klopman, B.A., *Assistant Director of Public Information*
- Catherine M. Horne, B.E.D., *Publications, Photography and Design Specialist*

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- Malvin N. Artley, B.Mus., M.Mus., D.F.A., *Professor of Music*
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Boone Memorial Fund. Established by the late Dr. William H. Boone, of Durham, N.C., a long-time member of the Board of Trustees, in memory of his wife, Mrs. Annie Elizabeth Morning Boone.

James H. R. Booth Endowment Fund. This fund was created by Dr. James H. R. Booth, an alumnus of Elon, preferably for support of the Department of Religion.

George R. Chandler Endowment Fund. George R. Chandler, a member of the Class of 1935 and a coal mining executive in Western Kentucky, bequeathed funds to the college to establish this endowment.

Thomas W. and Mary Watson Chandler Endowment Fund. This fund was established by a gift from Mrs. Chandler.

Civil War Collection Endowment Fund. To maintain Civil War Collection given by Hubert McLendon.

The Daniels-Danieley Award. The Daniels-Danieley Award for Excellence in Teaching was established in honor of the parents of the sixth president of the College, James Earl Danieley, and his wife, Verona Daniels Danieley. The income from this fund is used to provide a certificate of recognition and cash award each year to a faculty member whose teaching is characterized by excellence.

Dwight Merrimon Davidson Endowment Fund. Established by C. Vincent and Eleanor Davidson Long in memory of Mr. Davidson, Class of 1905, income from this fund is used to procure original works of art for the Dwight M. Davidson Collection.

Elbert and Esther Fertig DeCoursey Fund. Established by C. Max Ward, Class of 1949, and Cynthia Fertig Ward in honor of Mrs. Ward's aunt and uncle, Major General Elbert DeCoursey, nationally known pathologist, and Esther Fertig DeCoursey. The earnings from this fund will be used to benefit the Department of Biology.

Dofflemyer Fund. Established in memory of the late Milton A., Sr., and Naomi Frazier Dofflemyer by their children.

Elon College Community Orchestra Endowment Fund. Established by friends of the Orchestra to provide assistance for principal orchestra players and for support of the orchestra.

George Joseph Fertig Fund. Established by C. Max Ward, Class of 1949, and Cynthia Fertig Ward in memory of her father, Dr. George Joseph Fertig, eminent metallurgist from Birmingham, Alabama. The income from this fund will be used for the support of the Department of Chemistry.

D. R. Fonville, Sr. Fund. A bequest from the estate of DeRoy Ransom Fonville, Sr., who served as a trustee of the College from 1914 until his death, April 21, 1958. The earnings from the fund are to be used to purchase books for the library.

Ford Endowment. The principal amount of this fund was a gift from the Ford Foundation. All earnings of the fund are used to increase salaries of full-time professors.

Ella V. Gray Memorial Fund. Proceeds to be used to purchase books to be added to the library's collection of Southern literature. Following a bequest from Mrs. Gray, this fund was established by Garland Gray as a memorial to his mother.

George W. Harden Trust. Established by a bequest from the estate of Mr. Harden of Graham, N.C., income from this trust fund is used to support the general purposes of the college.

The G. Thomas Holmes and Gladys Wright Holmes Endowment for Chemistry. Income from this endowment is to be used in the Elon College Chemistry Department at the discretion of the head of the department in ways that will: (1) improve the department's facilities or curriculum and (2) qualify the department to prepare pre-engineering students for admission to professional engineering schools.

The Jefferson-Pilot Professorship. This fund was established by the Jefferson-Pilot Corpora-

tion, Greensboro, NC. The recipient is appointed by the President of the college from any academic discipline within the college.

Kernodle Foundation. A gift from Mrs. Attrice Kernodle Manson of Burlington, NC, in memory of Dr. J. L. Kernodle and in honor of Mrs. J. L. Kernodle.

John T. Kernodle Memorial Fund. Created by a bequest from the estate of John T. Kernodle, an alumnus of the Class of 1908.

Peter Jefferson Kernodle and Louise Nurney Kernodle Memorial Fund. Created by a bequest from the estate of John T. Kernodle, an alumnus of the Class of 1908, in memory of his mother and father.

Virginia Beale Kernodle Memorial Fund. The fund was established by John T. Kernodle, Class of 1908, as a memorial to his wife, Virginia Beale Kernodle, valedictorian of the Class of 1913. The earnings from the fund are to be used for the upkeep of Whitley Memorial Auditorium. Mrs. Kernodle was the granddaughter of the late Leonard Hume Whitley, for whom the auditorium was named.

Literature, Languages and Communications Endowment. Income is used to promote academic excellence in the study of literature, languages and communications, and to support lectures and other appropriate literary events.

The Martha and Spencer Love School of Business Fund. Established in 1985, this endowment created the college's School of Business and provides the resources required to maintain it. The School is a memorial to Spencer Love, who established Burlington Industries, and his wife, Martha.

Iris Holt McEwen Community Service Award. Established by Katherine Iris McCrary, James McEwen McCrary, and John A. McCrary, III, grandchildren of Mrs. McEwen, this award honors the late trustee by providing cash to students each year for college expenses and the charity of the students' choice.

The James H. McEwen, Jr. Endowment Fund for the Fine Arts. Established by James H. McEwen, Jr. of Milford, Connecticut. Income from this fund will be used for the enrichment of the Fine Arts program.

Sarah M. Moize Endowment Fund. Established by Mrs. Moize to support the general operating expenses of the student health services at the college.

NCNB Corporation Endowment for Field Studies. To provide resources for students enrolled in the Martha and Spencer Love School of Business to travel off campus to gain hands-on experience in the business world.

Francis Asbury Palmer Fund. This fund was established by Francis Asbury Palmer of New York.

Maude Sharpe Powell Professorship. Established as a memorial to their mother by John S., Dr. James B., and Dr. Thomas E. Powell, III. Income from this endowment provides a chair for an outstanding professor.

The Thomas Edward Powell, Jr. Professorship of Biology. Established by the Thomas E. Powell, Jr. Biology Foundation. Dr. Powell was professor of biology at Elon College from 1919 to 1936 and is founder of Carolina Biological Supply Company. Income from the endowment provides a chair for an outstanding professor in the field of biology.

Ferris E. Reynolds Lectureship. To fund an annual lecture arrangement by members of the Department of Philosophy.

George Shackley Award. Established by Mr. Shackley by bequest, for most improved piano student; organ student.

L. L. Vaughan Fund. A bequest from the estate of the late Professor L. L. Vaughan, who served as a trustee of the college from 1928 to 1956.

Drusilla Dofflemeyer Voorhees Fund. Created in honor of Drusilla Dofflemeyer Voorhees, Class of 1924, by friends in recognition of her many years of devotion to her students and her contribution to education as a classroom teacher. The income from this fund is used to support the general operation of the college.

Wachovia Fund for Excellence. To provide unrestricted support to Elon College.

The Walter and Dorothy Westafer Fund for the Fine Arts. Given in memory of Dorothy Stambaugh Westafer by family and friends of Walter and Dorothy Westafer, income from this endowment fund is used to enrich programs and projects that will enhance the cultural life of the Elon College campus.

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ELON

COLLEGE

Office of Admissions and

Financial Planning

Elon College, North Carolina

27244-2010

ELON



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1991-1992

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Elon College does not discriminate on the basis of race, color, sex, handicap, and national or ethnic origin in the recruitment and admission of students, the recruitment and employment of faculty and staff, and the operation of any of its programs.

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COMMUNICATIONS WITH ELON COLLEGE

This bulletin contains pertinent information about the College, its philosophy, programs, policies, regulations and course offerings. All students and prospective students are urged to read it carefully and completely.

Correspondence relating to official business should be addressed as follows:

President

General information

Provost and Senior Vice President

Academic and student affairs policy

Long-range plans

Vice President and Dean of Academic Affairs

Academic program

Academic work of students in college

Faculty position

Special programs

Dean of Admissions and Financial Planning

Admissions

Requests for applications, catalogs or bulletins

Scholarships, student loans, and student employment

Dean of Student affairs

Housing

Student affairs

Vice President for Administrative Services

Payment of student accounts

Inquiries concerning expenses

Vice President for Development

Public relations

Contributions, gifts or bequests

Estate planning

Director of Placement

Career options for students

Employment of seniors and alumni

Registrar

Requests for transcripts

Evaluation of transfer credits

Student educational records

Director of Alumni and Parent Relations

Alumni affairs

Parent relations

Director of Academic Advising

Course scheduling

Academic counseling

CALENDAR

Fall Semester 1991

Aug 24 (Sat)	Orientation
Aug 25 (Sun)	Orientation
Aug 26 (Mon)	Registration
Aug 27 (Tue)	Drop-Add Day; Evening Classes Begin (5:30 p.m. & later)
Aug 28 (Wed)	Day Classes Begin
Sept 3 (Tue)	Last Day for Late Registration
Oct 17 (Thu)	Last Day for Dropping Course with "WP"
Oct 18 (Fri)	Mid-Semester Reports Due; Fall Break Begins at 1:15 p.m.
Oct 23 (Wed)	Fall Break Ends at 8:00 a.m.
Nov 4 (Mon)	Last Day to Remove Incomplete ("I") & "NR" Grades
Nov 6 (Wed)	Preregistration Begins for Winter Term and Spring Semester 1992
Nov 26 (Tue)	Thanksgiving Holiday Begins Following Evening Classes
Dec 2 (Mon)	Thanksgiving Holiday Ends at 8:00 a.m.
Dec 6 (Fri)	Classes End
Dec 7-8 (Sat/Sun)	Reading Days
Dec 9-14 (Mon-Sat)	Examinations
Dec 17 (Tue)	Grades Due at 1:00 p.m.

Winter Term 1992

Jan 2 (Thu)	Registration
Jan 3 (Fri)	Classes Begin/Last Day for Late Registration
Jan 24 (Fri)	Examinations
Jan 27 (Mon)	Grades Due at 1:00 p.m.

Spring Semester 1992

Feb 3 (Mon)	Registration
Feb 4 (Tue)	Drop-Add Day; Evening Classes Begin (5:30 p.m. & later)
Feb 5 (Wed)	Day Classes Begin
Feb 11 (Tue)	Last Day for Late Registration
Mar 19 (Thu)	Last Day for Dropping Classes with "WP"
Mar 20 (Fri)	Mid-Semester Reports Due; Spring Vacation Begins at 1:15 p.m.
Mar 30 (Mon)	Spring Vacation Ends at 8:00 a.m.
April 9 (Thu)	Last Day to Remove Incomplete ("I") & "NR" Grades
April 20 (Mon)	Preregistration Begins for Summer School and Fall Semester 1992
May 12 (Tue)	Classes End
May 13 (Wed)	Reading Day (Evening Exams Begin)
May 14-19 (Thu-Tue)	Examinations
May 20 (Wed)	Senior Grades Due by 9:00 a.m.
May 23 (Sat)	Commencement; Last Day of School
May 25 (Mon)	Grades Due by 1:00 p.m.

Summer School 1992

First Term:	June 3-July 1 (Exam Day)
	July 3—Grades Due by 1:00 p.m.
Second Term:	July 8-August 5 (Exam Day)
	August 7—Grades Due by 1:00 p.m.



INTRODUCTION TO ELON

Elon College is a coeducational, residential, church-related college on a spacious campus near Burlington, North Carolina. The College derives its name from its location in what was an oak forest in the heart of Piedmont North Carolina. "Elon" is the Hebrew name for "oak," and the campus still abounds with these majestic trees.

Location. Fifteen miles west of Elon College, along Interstate 85, is the thriving city of Greensboro. To the east are the intellectual resources of the Research Triangle, internationally known for its scientific research in computer technology and other endeavors. Flanking the Research Triangle are Duke University at Durham, the University of North Carolina at Chapel Hill, and North Carolina State University at Raleigh. The Elon College community enjoys the lifestyle of a relatively small institution yet has the advantages of being centrally located to major institutional and urban resources in nearby areas.

Students. Elon College, founded by the Christian Church in 1889, is committed to the liberal arts as the best preparation students can have for rewarding, meaningful lives. From its initial enrollment of 108 students, Elon has grown steadily. Elon's 3,150 undergraduate and 125 graduate students come from 36 states and 17 foreign countries. Slightly more than half of the students are women, and the student body includes several racial and socio-economic groups. Elon College admits students of any race, color, sex, and national or ethnic origin without discrimination. This diversity enriches the life of the community and reflects the nature of American society itself. Elon challenges students to excel intellectually, to pursue self-fulfillment, and to learn the meaning of service to others.

Faculty. Working with the Elon students are a dedicated staff and an outstanding faculty whose primary concern is teaching. They have been chosen because of their academic preparation, individual initiative, and commitment to excellence in teaching. Many of Elon's faculty have expressed their satisfaction with the College through long years of service. Elon purposely remains small enough that the relationship between faculty and students is friendly, informal and lasting.

Programs. The academic program is designed to develop in each student a mature proficiency in the use of the English language, an awareness of history and an appreciation of cultural, social and scientific achievements. The upper level courses provide opportunities for concentration in areas of special interest and in professional and career-oriented branches of learning. To meet such individual needs, the academic program includes such features as independent study, study abroad opportunities, internships and cooperative education.

Complementing the classroom at Elon College is a broad range of activities and student life programs designed to enable students to find their personal identities, refine their social skills, broaden their perspectives, and create lifetime friendships.

Academic Calendar

The College's academic year is divided into a 4-1-4 calendar. The fall semester is a four-month term, ending prior to Christmas holidays, followed by a one-month winter term and a four-month spring semester. During the one-month term opportunities are offered for travel, study abroad, internships and service programs in addition to specialized courses on campus. Evening classes and a summer school of two terms of four weeks each are offered on a regular basis.

The calendar is designed to meet the needs of the following persons: (1) full-time students who plan to complete degree requirements within four years, (2) part-time students, (3) high school seniors who wish to take one or two college-level courses, (4) members of the community who desire further educational work in day or evening classes, and (5) those seeking a graduate degree in business (M.B.A.) or education (M.Ed).

Summer school serves the above purposes, in addition to providing an opportunity for new students or students enrolled in other colleges to accelerate completion of degree requirements.

History

To provide a quality undergraduate education has been the mission of Elon College since its founding by the Christian Church in 1889. Two schools were forerunners of Elon College: The Graham College, established in 1851 in Graham, North Carolina; and the Suffolk Collegiate Institute, established in 1872 in Suffolk, Virginia. The Southern Christian Convention, now a part of the United Church of Christ, voted in 1888 to establish Elon College.

The site of the new college was known as Mill Point, located four miles west of Burlington, North Carolina. In its early years Elon endured many tribulations. The student body was severely reduced during World War I, and a major fire in 1923 destroyed most of the campus buildings. Within three years a new campus arose from the ashes. The five central buildings, including Alamance, were built at this time. The great depression and World War II created many problems for the College.

The decades following the Second World War were years of physical growth and academic development. New buildings went up as enrollment increased, and the College expanded beyond its brick walls. Students from half of the states in the Union, as well as foreign countries, gave the College a regional complexion. In fall 1984 the College began offering a master of business administration degree and in fall 1986 a master of education degree. Elon's seven presidents have provided the leadership essential for progress.

Historically the College has played a significant role in teacher education. A program of instruction and experiences designed to prepare teachers continues to be a major objective of the College.

Although there have been many changes through the years, Elon remains church-related rather than church-controlled. It has held in high esteem its commitment to general Christian principles and values as an appropriate foundation for the development of human personality and social order.

The Mission of Elon College

Motivated by the beliefs and spiritual values that have grown out of its founding by the historic Christian Church, Elon College offers men and women a liberal arts education to enrich them as human beings and to prepare them for the choice of a profession and for service to their communities. Within this context, Elon College also offers selected career-oriented majors and graduate programs to facilitate professional development.

In accordance with the provisions of the charter, it is the aim of Elon College to provide its students the opportunity to develop:

1. a personal philosophy of life which will be reflected in a sense of integrity, high ethical standards, and significant religious insights and practice;
2. an understanding of their responsibilities and rights as citizens in a democratic society, and a recognition of the intrinsic worth of all individuals;
3. an informed respect for the differences among cultures as well as an understanding of the interdependence of world conditions and of the need for individual and collective responsibility for the environment;
4. a love of learning and sensitivity to aesthetic values sufficient to stimulate continued intellectual and cultural growth;
5. the ability to gather information, to think critically, logically, and creatively, and to communicate effectively;
6. a basic knowledge of the humanities, natural sciences and social sciences, and an appreciation of their interrelationships;
7. a level of competence in at least one field of knowledge sufficient to provide depth of intellectual perspective and preparation for graduate study or professional activity;
8. an understanding of the principles of mental and physical health essential for developing a lifestyle of wholeness and well-being;
9. an appreciation of the potential for lifelong personal growth and professional development which their own distinct abilities and aptitudes provide.

In keeping with these educational objectives, Elon College recognizes its broader responsibilities as an institution of higher learning. The college supports scholarly and artistic expression by providing the conditions for serious intellectual work by both students and faculty. It furthermore promotes open and honest inquiry, respect for persons of all circumstances, sensitivity to diverse cultural traditions, an understanding of the economic environment, an appreciation for the value of work, and habits of democratic citizenship. As participants in a community of learners, all members of the college are expected to enact the ideals of personal integrity and public responsibility.

Accreditation

Elon College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award bachelor's and master's degrees.

The College is a member of the following associations:

The American Council of Education

The Association of American Colleges

The American Association of University Women

The North Carolina Association of Colleges and Universities

The North Carolina Association of Independent Colleges and Universities

Independent College Fund of North Carolina

The Council for Higher Education of the United Church of Christ

National Commission on Accrediting

The American Assembly of Collegiate Schools of Business

The Association of Collegiate Business Schools and Programs

Campus and Buildings

The Elon campus is beautiful, spacious, and rich in stalwart oak trees. It is designed and equipped to serve its living and learning community. Extensive building and improvement projects have been completed in recent years, including six fraternity/sorority houses on north campus in 1989, six apartment complexes on east campus in 1989, a new fine arts center in 1987, four residence halls in 1982 and 1984, and a new fountain, plaza area in 1982. Buildings housing the classrooms and laboratories have been extensively renovated, and new equipment and furniture have been provided. The McEwen Dining Hall, William S. Long Center, Iris Holt McEwen Library, Harper Center, and twelve residence halls have been constructed since 1956. Completed in 1970 were an office-classroom building and a physical education facility, which includes an indoor swimming pool. The present living and dining facilities serve a resident student body of approximately 2,000.

Alamance Building houses administrative offices and classrooms. Citizens of Alamance County contributed the money to build this structure after the old administration building was destroyed by fire in 1923. The Alamance Building was extensively renovated in 1981. The area in front of Alamance Building is known as Scott Plaza and is the gift of former State Senator Ralph H. Scott, a member of the Elon College Board of Trustees, in memory of his wife, Hazeleene Tate Scott. In the center of the plaza is Fonville Fountain, a gift of Rudy M. and Frances (Turner) Fonville '28. The fountain and plaza were completed in 1982.

The Alumni Memorial Gymnasium was built in 1949 by former students as a memorial to Elon alumni who lost their lives in two World Wars. It seats 4,500 for basketball games. The 25,000 square feet of floor space houses offices, classrooms, dressing and shower rooms for both men and women, and a playing floor area large enough for three intramural basketball games to be played at the same time.

The Athletic Field consists of 50 acres of practice and playing fields, situated around the campus. There is adequate space for all sports.

Bakatsias Soccer Field, provided in 1984 by George, Terry and Johnny Bakatsias in honor of their parents, is one of the finest soccer facilities in the area.

John W. Barney Hall houses 54 students. This three-story brick building was named in memory of John W. Barney, who was a member of the Elon College faculty for 33 years.

Ned F. Brannock Hall, housing 48 students, is a three-story brick structure named in memory of Dr. Ned F. Brannock, a member of the Elon College faculty for more than 50 years.

Carlton Building was the gift of three trustees of the College, P.J. Carlton, H.A. Carlton and L.E. Carlton, and their sister, Mrs. J. Dolph Long. This structure houses classrooms, faculty offices, publication facilities, and the Academic Computer Center.

Carolina Hall, erected in 1956, houses 126 students. Congregational Christian Churches in North Carolina pledged the funds for this three-story brick building.

Chandler Hall is a residence hall housing 92 students. It was constructed in 1982 in honor of Wallace L. Chandler, a member of the class of 1949, a trustee of Elon College and senior vice president of Universal Leaf Tobacco Company, Inc., of Richmond, Virginia.

Colclough Hall is a residence hall designed to house either men or women. Constructed in 1982, it has a capacity of 96 persons. It was named in memory of George D. Colclough, a member of the class of 1926, through a gift by Royall H. Spence Jr., a member of the class of 1942, and his wife, Luvene Holmes Spence, a member of the class of 1943. Mr. Spence is a trustee of Elon College and president of Canada Dry Bottling Company of Greensboro, Inc. Mr. Colclough was a trustee of Elon College and a well-known business leader in Burlington.

Duke Science Building has modern scientific equipment and laboratory apparatus. It houses the Departments of Physics, Biology and Chemistry. In memory of their mother, Mrs. Artelia Roney Duke, J.B. Duke and B.N. Duke contributed to the cost of erecting this building. Classroom and laboratory space underwent extensive renovation in 1988.

East Building was acquired by the College in 1978. It is used for maintenance storage and central receiving. It also houses offices of the director of physical plant, executive housekeeper, and director of mail services. A gymnasium and dance studio complete the facility.

East Campus Apartments, completed in 1989, consist of six buildings each housing thirty-two students. Reserved for upper classmen, the facility offers an alternative to traditional residence hall accommodations.

The R. N. Ellington Health Center provides health services for students and includes multiple examination rooms and offices for the professional staff.

The Fine Arts Center, was opened for the 1987-88 academic year. In addition to classroom and office facilities for the art, music, drama, communications and dance programs, the \$8 million facility features a 600-seat theater and a 125-seat recital hall.

Fraternities and Sororities are housed in several residences owned by the College, in residence hall suites, and in a fraternity/sorority court of six buildings completed in 1989.

Holland House is the former residence of the College president. Constructed in 1963, it is located at 301 East Haggard Avenue. It was named in memory of Shirley T. Holland, a long-time College trustee, by Mrs. Holland and their sons. The facility currently houses administrative offices.

A.L. Hook Hall, housing 40 students, was named for Dr. A.L. Hook, who was a member of the Elon College faculty for more than 50 years. Built in 1966, it is a three-story brick residence hall.

The B. Everett Jordan Gymnasium, named in honor of the late Senator B. Everett Jordan and completed in 1970, contains the Vance Beck swimming pool, physical education teaching gymnasium, human performance laboratory, handball court, weight training room and offices and classrooms.

The Jordan Complex is named in honor of John M. Jordan, Alamance County businessman. Built in 1980 and 1984, the complex houses 272 men and women students in two-room suites. The complex also contains a commons building with study, lounge and laundry facilities.

The John Koury Field House was constructed in 1980 through the generosity of Ernest and Maurice Koury in memory of their father. The building provides dressing facilities for Elon's football and baseball teams as well as a modern training room, laundry and coaches' dressing room.

LaRose Resources Center was named in honor of Mr. and Mrs. Edgar H. LaRose and Mr. and Mrs. Robert E. Hettel, parents of Elon Trustee Robert E. LaRose and his wife, Gail Hettel LaRose. Located in Mooney Building, the center provides instructional support to faculty, tutorial services to students and provides audiovisual and computer equipment, as well as cable and satellite TV services.

Lawrence House, a turn-of-the-century mansion, was built by Walter P. Lawrence, first dean of the college and a member of the N.C. General Assembly. The facility was purchased by the college in 1984 and has undergone extensive renovations.

The Lodge was acquired by the College in 1984. Located one mile from the campus, the twenty-five acre tract has a large lodge, picnic shelter, conference facilities and recreation areas.

William S. Long Student Center, constructed in 1966, houses the campus shop, the Varsity Grille, lounges, meeting rooms, student government offices, a listening room, a photography lab, and game room. The building was named in memory of William S. Long, first president of the College.

Maynard Hall is a residence hall for 131 students. Constructed in 1982, it was named in honor of Reid and Grace Maynard. Mr. Maynard was a trustee of Elon College and chairman of the board of Tower Hosiery Mills, Burlington.

Maynard House is the residence of the College president. It is located a short distance from campus. The home was bequeathed to the College through the estate of Reid and Grace Maynard in 1988.

McEwen Memorial Dining Hall, completed in 1956, was built as a memorial to James H. McEwen, long an industrial and civic leader in Burlington. The first floor accommodates more than 400 students in a modern and attractive cafeteria and also contains a smaller dining room for special luncheon meetings. On the second floor is an additional dining hall/banquet room large enough to accommodate 450 persons.

Iris Holt McEwen Library, completed in the summer of 1968, is fully air conditioned and carpeted. Open stacks contain a well-rounded collection of more than 165,000 volumes and extensive audiovisual and microform holdings. Approximately 53,000 government documents have been added to the collection since the library became a government depository in 1971.

The Spence Collection, which was the former Stratford College Library, was given to the College in 1975 in honor of Royall H. Spence, Sr., by Mrs. Spence and their children, Mary Spence Boxley, Dolly Spence Dowdy and Royall H. Spence, Jr.

Mooney Building was given to Elon by M. Orban, Jr., in memory of his father-in-law, the Reverend Issac Mooney. This building houses faculty offices, classrooms, the LaRose Resources Center, computer labs and the Curriculum Resources Center.

Lake Mary Nell, a five-acre lake near the center of campus, was named in honor of Mary Nell Jennings, daughter of Elon College Trustee Maurice Jennings and Patricia Jennings.

Newsome Field is a modern baseball stadium donated in 1977 by Webb Newsome, a member of the class of '37, and his wife, Jessie Cobb Newsome, class of '36. A member of the Elon College Sports Hall of Fame, Webb Newsome was outstanding in baseball, football and boxing while at Elon.

North Hall, located near the Harper Center, houses men students.

The Caroline Powell Building, named in honor of Miss Caroline Powell, was completed in 1970. It contains classrooms, faculty offices, and administrative offices.

The Jimmy Powell Tennis Center, a 12-court, championship tennis complex, was built in 1988 and is one of the finest small-college tennis complexes in the nation.

Power Plant provides heat for the entire College.

Rudd Field, a multipurpose athletic field named for Clyde Rudd Sr., class of '37, is used for football, softball and intramural activities.

Sloan Hall, a three-story brick structure housing 129 students, was named in honor of Dr. W. W. Sloan and Bessie Pickett Sloan, members of the Elon College faculty for 25 years.

Leon Edgar Smith Hall is a three-story brick residence hall erected in 1957 to house 126 students. The building was named for Dr. L. E. Smith, former President of the College.

Staley Hall, *Moffitt Hall*, *Harper Center* and *Harden Dining Hall* were completed in 1968. Staley Hall houses 200 students and Moffitt Hall 100 students. The two residence halls are joined by Harper Center, which contains a lounge, the College radio station, a recreation area, The Back Door (a non-alcoholic pub), and Harden Dining Hall. These buildings were named in memory of Dr. W. W. Staley, Dr. E. L. Moffitt, and Dr. W. A. Harper, three past presidents of Elon College, and are located north of the main campus, beyond the gymnasium.

Virginia Hall, a three-story modern brick structure erected in 1956, houses 129 students. Congregational Christian Churches in Virginia pledged the money to pay for this residence hall.

West Hall is a three-story brick structure adjacent to the Carlton Building. The first floor contains student rooms, a staff apartment, the security office, and a large lounge. Eighty-one students are housed on the second and third floors.

Whitley Memorial Auditorium has a seating capacity of approximately 500. Faculty and administrative offices are located in the rear of this building.

Names associated with Elon College buildings, rooms, and other facilities are a way of recognizing outstanding service to the institution. Facilities are usually recognized with a brass plaque giving the date, the name of the facility, and in some cases, the donor of the facility. As buildings and other facilities become obsolete or the needs of the college change, the brass plaques are added to the college archives, preserving in perpetuity the memory of those honored.

Visitor Information

Visitors to the College are welcome at all times. The administrative offices are open Monday through Friday from 8:00 a.m. until 5:00 p.m. The admissions office is also open Saturday from 9:00 a.m. until noon. Administrative officers and members of the faculty are available at other times by appointment made in advance.

Travel Information

Elon College is in the town of Elon College, N.C., a community adjacent to Burlington, 15 miles east of Greensboro, and 64 miles west of Raleigh. It is accessible to airline services in Greensboro. The telegraph address is Burlington and the College is served by the Burlington telephone exchange. The number is (919) 584-9711.

ACADEMIC PROGRAM

The academic program at Elon College is designed to prepare qualified students to enter graduate and professional schools or to go directly into such fields as business, teaching, public service and allied health. The Bachelor's degree consists of a major field of concentration in the liberal arts or in a professional or preprofessional area, a general studies program, and elective courses.

Degrees and Major Fields of Concentration

Courses are offered leading to the graduate degrees of Master of Business Administration and Master of Education and the undergraduate degrees of Bachelor of Arts and Bachelor of Science.

The Master of Business Administration program requires 36 semester hours of graduate credit. Students are encouraged to apply regardless of undergraduate major. *The Master of Education* program requires 30 semester hours of graduate credit in Elementary Grades or Middle Grades.

The Bachelor of Arts degree is awarded in the following fields: Biology, Chemistry, Communications (Broadcast and Corporate), Computer Science, Economics, Education (Elementary; Middle Grades; Secondary—various subject areas), English, French, General Music, History, Human Services, Journalism, Mathematics, Music, Music Theatre, Philosophy, Physics, Political Science, Psychology, Public Administration, Religion, Science Education, Social Science, Sociology, Spanish, and Theatre Arts.

The Bachelor of Science degree is awarded in the following fields: Accounting, Biology, Business Administration (Management, Finance, and Marketing), Chemistry, Computer Information Systems, Medical Technology, Music Education, Physical Education, Health Education, Leisure/Sports Management, and Sports Medicine.

Minor Fields of Concentration

Candidates for the bachelor's degree may elect a minor concentration consisting of at least 18 semester hours.

The following minor fields are available: Accounting, Studio Art, Biology, Business Administration, Chemistry, Computer Science, Computer Information Systems, Dance, Economics, English, French, Geography, History, Human Services, International Studies, Journalism/Communications, Mathematics, Music, Philosophy, Physical Education, Physical Education (Coaching, Sports Medicine), Physics, Political Science, Psychology, Public Administration, Religion, Sociology, Spanish, Theatre Arts, and Women's Studies.

General Studies

The purpose of General Studies at Elon College is to provide students the opportunity to acquire the skills, the experiences and the knowledge needed to obtain the broad philosophical, aesthetic, historical and scientific bases for understanding and evaluating human experience. As means to that end,

the College offers all students a broad range of experience in four areas:

First, the Foundational Studies area helps the student develop the ability (1) to think clearly and critically, (2) to write clear, correct English prose, and (3) to use methods of computation and to understand quantitative relationships and mathematical systems.

Second, Liberal Studies acknowledges that an important goal of an undergraduate education is adaptability, since the future will include not only evident problems but the unforeseen. The five sub-areas in Liberal Studies (expression, science, reflection, civilization, society) reflect a broad and diversified curriculum designed to prepare students for a future of continual growth.

Third, courses offered for Advanced Studies, particularly those courses offered as general studies seminars, involve more than one perspective and frequently more than one discipline.

Fourth, Physical Education is designed to promote life-long fitness.

General Studies are by nature cumulative and developmental. Thus the Elon College student will deal with these issues throughout his college years from initial enrollment to graduation.

The Martha and Spencer Love School of Business

The Love School of Business was established in 1985 as an outgrowth of an endowment gift to Elon College from the Martha and Spencer Love Foundation. The Business School is a junior/senior level and graduate school which offers undergraduates majors in accounting and business administration (concentrations in management, marketing, and finance), and a graduate degree in business administration (M.B.A.).

The Love School of Business builds upon the liberal arts tradition of Elon College in providing undergraduate and graduate students the educational opportunities that will prepare them for both business careers and civic leadership.

Specific requirements for Love School programs in Business Administration and Accounting can be found under the Courses of Instruction.

Independent Study and Research

An integral part of the educational program at Elon College is the opportunity to do independent study and research. In independent study courses, with the assistance of faculty members, students develop goals and learning activities. Students sometimes engage in off-campus independent study and research.

Career Planning and Placement

The following Career Services Programs are available to help students plan their futures, explore careers, and become adept at finding employment:

Career Planning

The Director of Career Planning, through personal counseling and assess-

ment, assists students with their choice of a college major and career. Resources include a one-credit class (COE 110) to assist students in selecting a major; the LifeSkills Transcript Program that encourages and documents leadership development; and graduate school application materials.

Experiential Education (Internships or Co-ops)

Elon College strongly supports programs which allow students to relate their classroom learning to work experience. Active cooperative education and internship programs provide opportunities throughout the academic year and during summers for students to explore careers, to integrate theory with practice, and to examine future job possibilities. In each learning experience, the student's academic or career related work assignment is supervised and evaluated by Elon faculty. Internships are directly related to majors or minors, may be full or part time, and paid or unpaid. Most departments offer internship credits. Co-ops offer pay, may be full or part time, may be repeated, and count toward elective credit. The class, COE 310 "Securing A Job," is required of co-op students.

Eligibility Requirements: Junior or Senior standing
(Sophomores with special permission)
2.5 minimum grade point average (GPA)
Completion of departmental prerequisites
Approval of Faculty Sponsor/Exp. Ed. Dir.
COE 310 class (co-ops only)

Placement Services

Placement Services assist students who have identified their career direction and who are finalizing their career search. Services for upperclass and graduate students include classes in job search skills (COE 310 "Securing A Job"), resume referral to employers, on-campus interviews, individual counseling, job vacancy lists, a credentials file with options for inclusion of academic and LifeSkills transcripts, and workshops on resume writing, job interviewing, and other special career topics. Additional resources and programs include occupational and employer information, career fairs, and an alumni career resource bank.

Professional Programs

Elon College offers professional programs in Accounting, Business Administration, Education, Music, Journalism, Communications, Human Services, Public Administration, Computer Science, Computer Information Systems and Medical Technology. Graduates of these programs are prepared to enter beginning-level professional positions. Graduates who are qualified to do so may wish to continue their studies in graduate school.

Preprofessional Programs

Elon College offers programs which prepare students for professional studies in such fields as medicine, dentistry, law, engineering and theology. In addition, Elon prepares students to enter any professional program, either

at the graduate or undergraduate level, that is based on a liberal arts education.

Pre-engineering

Students who wish to pursue an engineering degree must transfer from Elon College to an engineering school. While there is the potential for a qualified student to transfer to any engineering school, Elon College has a pre-engineering program that has been approved by the Subcommittee on Engineering Transfer for transfer to the engineering programs at North Carolina A&T State University, North Carolina State University, and the University of North Carolina at Charlotte. Qualified students completing Elon's program are given preferential consideration for transfer to any of these engineering schools.

Prelaw

According to the Association of Law Schools, there are two objectives of undergraduate education for law students: first, the student should learn to reason logically; second, the student should learn to express thoughts clearly and concisely both orally and in writing. A number of majors at Elon provide backgrounds for admission to law school.

Premedical and Predental

Medical and dental schools desire students who have demonstrated academic excellence in science fields combined with the broad base supplied by the liberal arts. Students interested in medical or dental school are encouraged to major in Biology or Chemistry. Those interested in a career in veterinary medicine, optometry and other health professions generally complete the same courses as premedical and predental students.

Preministerial (Any Full-time Christian Vocation)

The educational program at Elon College provides opportunities for students who wish to prepare for the various aspects of Christian ministry. Although no particular major is required, there are many courses and other educational/service experiences that permit students to explore their interest in and fitness for religious vocations. In general, for church-related vocations students should expect to major in Religion or any of the Liberal Arts areas.

All Preprofessional Majors

Students entering any preprofessional program should plan carefully, using the catalog of the professional school they wish to enter as a specific guide to choosing courses at Elon College. The Academic Advising Center staff is available to assist students in this planning.

Special Academic Programs

Elon College offers various programs for those people with special needs and qualifications.

Honors Program

The Honors program assists academically superior students who want to attain greater breadth and depth in the General Education part of their studies. Most students are selected to enter the program as freshmen, but one can apply for admission as a continuing student. Honors students are provided with special courses taught by innovative faculty. Class size is generally limited to twenty. Since the program is college-wide in scope, most Honors courses will be taken in disciplines differing from one's major. Recent changes give increased emphasis to discovering one's values, to developing critical thinking skills, to enhancing communication abilities, to pursuing current issues and to understanding the interrelatedness of the varied academic disciplines.

Besides the curriculum described below, other features of the program include early pre-registration privileges, off-campus retreats, Honors housing arrangements, and opportunities to interact with guest lecturers, performers and artists. Honors graduates often pursue further study or graduate training.

To receive Honors Program recognition at graduation a student must complete a minimum of six Honors experiences as listed below, and achieve a 3.00 grade point average overall and in all Honors courses taken.

The Freshman Year

The following two experiences are required:

Honors I — Appreciative Understanding: Claiming One's Heritage

This experience will focus on clarifying one's values and understanding them in light of alternatives.

Honors II — Critical Assessment: Acting in the Institutional World

This experience will focus on critically appraising values which are expressed in persuasive action.

The Middle Years

A student must take a minimum of two experiences out of Category I. Also, an elective is required out of Category I, II, or III. It is highly desirable for the elective to come from Category II.

- I. A. Contemporary issues courses — Focus will be on how resources from different areas can effect social change.
- B. Interdisciplinary courses — Methodology will emphasize interconnections between different fields or disciplines of study.
- II. Alternative experiences.
 - A. An academic experience in a different country fall or spring semester.
 - B. An academic experience involving work in the form of

service to others.

- C. An academic experience where one assumes leadership. This may be accomplished through an internship or an apprenticeship which has a mentoring dimension.

III. Honors elective courses.

The Senior Year

A research experience is required which culminates in the presentation of a semester paper or project.

Highly qualified non-freshmen who are admitted to the Honors program must accumulate six experiences out of middle and senior year courses.

Transitional Program

The Transitional Program assists students in making the transition to college by providing special advising and special courses in the basic concepts of mathematics and communication skills. The program offers individual assistance by tutors and self-paced programs through the LaRose Resources Center.

Writing Program

Elon College has both a campus Writing Program and a Writing Center. The program and the center work concurrently to support and enhance student writing at all levels and in all areas of the College's academic program.

Elon 101

Elon 101 is a specially designed course/program that introduces first semester students to college life. The course is taught by the student's academic advisor and is generally limited in size to fifteen. The course meets weekly during the first semester and grants 1 semester hour of general college credit.

High School Credit Bank Program

Makes it possible for the student to have earned college credit prior to college entrance through completion of two Elon summer sessions of two courses each and two courses at Elon during each semester of the high school senior year.

Military

ROTC

Offers military science program leading to commission in U.S. Army upon graduation.

Offers built-in financial assistance and special scholarship programs.

Credit for Veterans

Offers military personnel on active duty opportunity to submit CLEP credit by contacting their Education Officers or USAFI in Madison, Wisconsin, for testing.

Transfers work completed at other accredited post-secondary institutions.
Accepts service experience for physical education requirements.

Leadership Program

The Leadership Program provides students with opportunities to study and practice leadership. Participants will enroll in leadership courses, will lead off campus service projects through the Volunteer Program, will actively lead on campus through campus organizations and mentoring experiences, and will have the opportunity to participate in studies abroad and internship programs. The program strives to foster leadership for students during the college years that can be extended to the future workplace and living community.

LifeSkills Transcript Program

The LifeSkills Program provides a co-curricular transcript for enhancing job and graduate school opportunities. This transcript documents activities in clubs, community service, leadership, co-ops, internships, international study/travel, and other experiences during the College career.

North Carolina Teaching Fellows Program

Elon College is one of only two private colleges selected by the North Carolina Teaching Fellows Commission to offer a Teaching Fellows program, and one of only thirteen institutions throughout the state. The Teaching Fellows experience takes place in the context of Elon's highly successful teacher education program. Students interested in the teaching profession apply to the North Carolina Teaching Fellows Commission and are awarded grants through a selective interview process. The Teaching Fellows experience at Elon is a four-year program requiring participation in the following:

1. Specially designed leadership courses
2. Internships
3. Study/travel to major U.S. metropolitan areas
4. A semester of study in London
5. Special field trip, lecture series
6. Capstone seminar examining local, state and national issues and their effect on education
7. Development of LifeSkills Transcript

Study Abroad

Study abroad programs are scheduled to enhance the academic program and to give students an opportunity to learn first hand from other countries and cultures. The college offers a variety of such opportunities.

Students may elect to spend a semester, either fall or spring, in London. Choosing from a broad range of courses, most of which are taught by British faculty, both General Studies and major requirements can be met. Through internships and field research projects, students experience many dimensions of British culture. Students have access to the University of London's library and student union facilities. Fall and spring breaks permit extensive European travel.

During the winter term the College offers a study-travel opportunity to England. This program allows students to spend approximately a month housed in London but with numerous excursions to historical and cultural sites in Great Britain. The College also offers other study-travel programs the site of which may vary from year to year. Most recently, students have participated in a work project in Mexico. Others have spent the Winter Term in Costa Rica studying the language as well as the political/cultural environment and in Hawaii with a course focused on the Polynesian culture and the flora and fauna of the region. All programs offer a wide range of course credit.

Summer terms provide still other study abroad possibilities. The College offers language study in Spain through the University of Salamanca and a study-tour through Russia. Summer programs are scheduled to allow the student maximum free time in the remainder of the summer or the opportunity to attend an additional session of summer school. Direct exchange agreements between schools in Japan and China permit semester, summer, or year long study abroad.

Academic Support Services

Elon College seeks to meet the individual academic needs of the students who enroll. In order to accomplish this the College places emphasis on a variety of academic support services.

Academic Advising Center

Students are assigned faculty advisors before they enter Elon College. An important part of the Academic Advising Center's service is the providing of selected faculty advisors for Pre-Majors, students who have not yet decided upon their major field of study. At some time during the freshman year or the sophomore year, students choose majors and are assigned faculty advisors within their major departments or programs. Special advising assistance is available for students in preprofessional programs such as prelaw, premedical and pre-engineering.

Closely associated with the Academic Advising Center is the Career Planning service. Through testing programs, an extensive careers library, and personal counseling, the student is encouraged to explore career opportunities. Efforts are made to correlate college academic course work with the student's career objective.

LaRose Resources Center

Located in Mooney Building, the LaRose Resources Center is designed to meet the learning needs of a wide variety of students. Services provided

include tutorial assistance for most academic areas, computer-assisted instruction, microcomputer stations, study-carrels for group study, video-taping equipment and viewing room, a television production studio, and an extensive variety of audiovisual equipment and materials.

Library

The McEwen Library contains a well-rounded collection of approximately 166,000 volumes, 53,000 government documents, and extensive audiovisual and microform holdings. The Library seats approximately 450.

Computer Facilities

Elon College Academic Computing has a VAX 8350 and three Novell networks. The computer labs have over one hundred microcomputer workstations connected to both the VAX and the Novell networks. MacIntoshes and an Apple lab are also available to all students.

STUDENT LIFE

Elon is committed to the education of the whole person. Opportunities for that education are provided to students in many ways.

Student life is more than classrooms, laboratories, study desks and libraries. Experiences in the residence halls, campus organizations, Greek organizations, Student Government, spontaneous social groups, and on athletic and intramural teams are critically important in the student's total development.

With the many opportunities the College makes available throughout the year, the student can develop important insights about genuine communication, self-government, freedom, trust, honor and critical judgment. Programs designed by well-qualified faculty, staff and students provide—in the residence halls, on the playing fields, at the controls of the FM radio station, at Student Senate meetings, and in the classroom—opportunities for the student to develop a meaningful concept, a sense of career, a philosophy of life, and sound ethical and moral principles.

Students are encouraged to participate in those co-curricular and extra-curricular activities that interest them or are complementary to their academic programs.

Student Personnel Service

Personal Counseling. Under the direction of the Coordinator of Counseling Services, counselors are available twenty-four hours a day and are responsible for providing help to Elon students. In each campus area there is an Area Director. In addition, within each residence hall there is a staff of Resident Assistants. Supporting the residence hall staffs are personnel associated with the Office of Student Affairs.

Identifying and addressing problems at an early stage offers a greater likelihood that genuine help can be given. Therefore, students are urged to make their needs known to any person or persons associated with the counseling staff. Support groups, composed of students concerned about the same issues, are available for those interested.

Health Service. The College maintains a Health Service, which is open during regular hours each class day. A health service fee covers all routine health and nursing services, and treatment by the College Physician. This fee does not cover cases in which a physician other than a College Physician is called, emergency treatment at a local hospital or laboratory tests conducted off campus.

All students must present evidence that they are covered by health insurance. An opportunity to purchase a health insurance policy is provided to all full-time students.

Campus Living. Residence halls are modern and attractive. Each room is furnished with beds, bureaus, desks, and chairs. The student brings pillow, pillowcase, sheets, blankets, bedspreads, towels and such other articles as a wastebasket, rugs, and lamps. Residence halls open 2:00 p.m. the day before registration each semester. They are closed during Thanksgiving, Christmas, spring, and summer vacations. Rooms will be vacated and

residence halls locked no later than 12 noon on the day following the last night of exams. Provided on-campus housing space is available, all first year students are required to room in the residence halls unless they are living with their parents, relatives, or spouse. The College assists students in finding off-campus housing, but it cannot serve as an intermediary in any way between the student and his landlord.

Students have access to laundry facilities on campus.

Meals are served in the College dining halls, which are opened for the evening meal before the first day of registration and closed after the noon meal on the last day of final examinations. For vacation periods, college dining halls are closed after the noon meal of the last day of classes and opened with the evening meal the day before classes are resumed.

Commuter Students. Programs designed to meet the particular needs of commuter students are offered through the Office of Campus Activities.

New Student Orientation

New Student Orientation is held immediately prior to the opening each term. All entering students are expected to participate in the program which is designed to assist in preparing for the beginning of the College experience. Orientation features the use of small group activities as well as academic advising, testing, registration, lectures, and social activities.

The Student Center

Social activities at the College are largely planned and coordinated by the Student Union Board which is advised by the Director of Student Activities. An extensive program of social, recreational, club, and special interest activities is carried out during the year. Among these are movies, trips and expeditions, special theme parties, concerts, comedians, special events, and other social activities.

Student Government

Representing the interests of the Elon student body is the Student Government Association (SGA). It enjoys the full support and cooperation of the faculty and staff of the College. Projects and proposals dealing with social, cultural, and academic life are promoted by the SGA President and the Student Senate.

In addition, the Residence Hall Association, designed to provide self-determination in each residence area, carries out important student government functions. Finally, students play a direct role in academic and social policy-making through voting membership on numerous College committees.

Judicial System

This Judicial System is a code of student living under which it is assumed that all students will conduct themselves as responsible members of the college community. It is intended to be both one of justice and of education for students.

Religious Life

Responsibility for College religious life rests with the Chaplain, who coordinates all on-campus religious programs. Voluntary religious services are held during the academic year. The Elon College Community Church, located just off the campus, is affiliated with the United Church of Christ and is open to all students for worship. Many denominations are represented on campus in the form of student organizations. Most denominations have churches within a few miles of the campus. Groups meet regularly for Bible study, group discussions, service projects such as the CROP walk, and social activities.

Community Service

Students have the opportunity to participate in numerous service/learning activities. "Elon Volunteers!" is a student-run program supervised by the Chaplain's Office which serves as a clearinghouse and referral service for students who want to work with community agencies like the homeless shelter, the adult literacy campaign, Meals on Wheels, or with Elon College's campus chapter of Habitat for Humanity.

Cultural Life

Each year a variety of programs is offered for the cultural and intellectual enrichment of campus life.

The Lyceum Series brings outstanding artists and performers to the campus during the year.

The Liberal Arts Forum and Student Union Board, sponsored by the Student Government Association, schedule a number of lectures.

A number of distinguished scholars in various fields are invited to the campus each year to provide lectures and seminars for the enrichment of the academic program.

There are also recitals in the Fine Arts Center presented by members of the Fine Arts Department faculty and advanced students in music. Several band and orchestra concerts are scheduled. Each year before the beginning of the Christmas holidays, the Elon Choir presents Handel's oratorio, *Messiah*.

Plays presented by Elon students and by visiting drama groups are also a feature of the College's cultural offerings.

Honor Societies

Alpha Chi. Membership in this national scholastic society is one of the highest honors an Elon student can attain for academic excellence. To be eligible for membership a student must be a junior or senior, must be in good standing, and must have distinguished himself/herself through academic accomplishment.

Alpha Epsilon Rho. The objective of this honor society is to recognize scholastic achievement in the Journalism and Communications programs.

Association of Computer Machinery. The objective of this honor society is to recognize scholastic achievement by majors in Computing Sciences.

Beta Beta Beta. The objective of this national honor society is to recognize scholastic achievement in the Biology program.

Epsilon Beta Epsilon. The objective of this honor organization is to recognize scholastic achievement by majors in economics and business courses.

Kappa Delta Pi. The objective of this honor society is to recognize scholastic achievement by majors in Education.

Kappa Mu Epsilon. The objective of this honor organization is to recognize achievement by majors in Mathematics.

Omicron Delta Kappa. This national society recognizes students, faculty, alumni, and outstanding citizens for exemplary character, service and leadership in campus life, and good citizenship within the academic and larger community.

Phi Alpha Theta. The objective of this national honor society is to recognize scholastic achievement in the History program.

Pi Gamma Mu. The North Carolina Alpha chapter of Pi Gamma Mu, national social science honor society, was chartered in 1929. Students and faculty members who attain distinction in the social sciences at Elon are eligible for nomination into membership.

Sigma Delta Pi. The objective of this honor organization is to recognize achievement by majors in Foreign Languages.

Sigma Tau Delta. The objective of this honor organization is to recognize scholastic achievement in English.

Theta Alpha Kappa. The objective of this national honor society is to recognize students and faculty for scholastic achievement in the field of religious studies.

Student Organizations

Elon College offers students opportunities to become involved in numerous activities and organizations on the campus. The range of these activities is considerable. Students are encouraged to work with the Director of Student Activities to start new organizations.

Departmental—American Marketing Association, Computer Science Club, Student Chapter of the Music Educators National Conference, Student National Education Association, Alpha Kappa Psi (Business), Math Club, Health, Physical Education and Leisure Club, Psychology Club, Accounting Society, and Women in Communications.

Greek—There are 17 social fraternities and sororities at Elon. Fraternities include Alpha Kappa Lambda, Kappa Alpha, Kappa Alpha Psi, Kappa Sigma, Sigma Phi Epsilon, Omega Psi Phi, Sigma Chi, Sigma Pi, Alpha Phi Alpha, Lambda Chi Alpha, and Pi Kappa Phi. Sororities are Zeta Tau Alpha, Sigma Sigma Sigma, Phi Mu, Alpha Sigma Alpha, Alpha Omicron Pi, and Alpha Kappa Alpha.

Music and Fine Arts—Concert Bands, Jazz Stage Band (the EMANONS), Elon College Choir, Chamber Singers, College-Community Orchestra, Elon College Gospel Choir, Grand Staff, Show Band of the Carolinas, Music Theatre, Symphonic Winds, Alpha Psi Omega, and the Construction Company (Dancel).

Religious—Fellowship of Christian Athletes, Intervarsity Christian Fellowship, Newman Society, Discover Fellowship, Baptist Student Union.

Service—Delta Sigma Theta, Bacchus (alcohol awareness), Alpha Phi Omega, Epsilon Sigma Alpha, and Habitat for Humanity Elon College Chapter, Circle K International, Elon Volunteers..

Sports—Comprehensive intramural program, Lacrosse Club, Outing Society, Pershing Rifles.

Others—Class organizations, Black Cultural Society, College Republicans, Young Democrats, International Students Association, Resources for Non-traditional Elon Women (ReNew), Intellectual Competition Society, Students for Peace and Justice, Student Government Association, Student Union Board, Liberal Arts Forum, Lyceum Committee, Residence Hall Association (RHA), College Bowl, Model UN, North Carolina Student Legislature, Elon College Campus Drug Prevention Committee.

Communications Media

The Board of Student Communications Media. The Board is composed of students and members of the faculty and administration. It advises, guides, and encourages all student media on campus.

Elon Colonnades. This is the College literary magazine. It is published by students interested in creative expression, both verse and prose.

The Pendulum. The College newspaper, *The Pendulum*, is published weekly by a student staff.

Phi Psi Cli. The College yearbook is edited by members of the student body. Its name, *Phi Psi Cli*, commemorates three former literary societies.

Radio Station. WSOE-FM, the campus radio station, operates each day and is staffed primarily by students. The station broadcasts from a facility in Harper Center.

Who's Who

A committee composed of members of the faculty, administration, and student body each year elects students to be listed in the national publication *Who's Who in American Colleges and Universities*. Selection is made on the basis of scholarship, participation and leadership in academic and extracurricular activities, citizenship and service to the College, and promise of future usefulness.

Athletics

Intramurals. The purpose of the intramural program is to give all students an opportunity for healthful activity and recreation. Both men and women participate in football, racquetball, volleyball, co-rec volleyball, water polo, badminton, tennis, basketball, and softball.

Winning teams and individuals are awarded trophies in all sports.

The Intramural Council, composed of representatives of all social clubs, residence halls, and the commuter student group, is an advisory group for the Director of Intramural Programs and his staff and works to promote the program.

Intercollegiate. A member of the South Atlantic Conference and the National Association of Intercollegiate Athletics, Elon has teams which compete with other colleges in football, basketball, baseball, tennis, golf, track, soccer, women's volleyball, women's basketball, women's softball, women's soccer, and women's tennis. Lacrosse is played as a club sport.

Traditional Events

Alumni Day. This day is one of the highlights of the year and the time for class reunions. The Alumni Association honors its outstanding alumnus of the year at the Alumni Banquet.

Founders Day. A convocation honoring the founders of Elon College is generally held in the spring.

Greek Weekend. A time for relaxation, competition, and fun is sponsored each spring by Greek letter organizations. Contests of various kinds—tug of war, potato sack races, chariot races, dance competition, and skits—are presented with prizes awarded to the winners of each category.

Homecoming. Homecoming takes place in the fall, bringing back to the campus many former students. Entertainment includes golf and tennis tournaments, a football game, and the homecoming dance.

Parents' Weekend. In the fall parents are invited to visit the campus and participate in several events planned especially for them.

Spring Fling. A weekend of activities which includes student competitions, concerts, and other programs.

Admissions, Finances, and Financial Aid

Admissions Procedures

Elon College operates on a modified rolling admission plan.

Students who send applications to Elon will be sent a postcard, giving notification that the application has been received. Applicants will hear from the Admissions Office in 4-6 weeks after the application is complete.

Admission is based on the high school record and class rank, SAT or ACT scores, recommendations and, in the case of transfer students, previous college work and recommendations.

Elon College admission packets are available from many high school guidance offices or directly from the Admissions Office of the College. Completed applications should be returned with a non-refundable \$25 application fee and transcripts of all high school credits and any post-secondary work attempted.

Degree candidates and special students must satisfy the Committee on Admissions as to intellectual promise, and emotional and social stability.

Admission generally requires no fewer than the following number of units of high school credit:

English	4 units
Science	1 unit
History	1 unit
One Foreign Language	2 units
Math	2 units
(Algebra I & II or Algebra I & Geometry)	

Early Decision Plan

The Early Decision Plan at Elon College is available to well-qualified high school students who at the close of their junior year decide that their first choice college is Elon. A signed Early Decision agreement is required with the application. To be considered for Early Decision, a student can apply anytime after completion of the junior year, but application must be completed not later than November 1 of the senior year. It must include the application, the high school record, and scores on the Scholastic Aptitude Tests. Decisions are based upon junior year grades and test scores; SATs taken in the fall of the senior year cannot be considered for Early Decision. Students chosen under the Early Decision plan will have the following advantages: (1) an early financial aid estimate, (2) early registration, and (3) priority housing.

Students accepted under Early Decision must submit a non-refundable \$200 deposit by December 15 and withdraw applications from all other colleges at that time. Those not admitted by Early Decision will be reviewed in the regular application process and senior information will be considered.

Entrance Examinations

Applicants for admission to Elon College are required to submit their scores on the Scholastic Aptitude Test of the College Entrance Examination Board or the American College Test of The American College Testing Program. For either test, scores should be sent directly to Elon College.

Application blanks, lists of testing centers and dates, and rules on applications, fees, reports, and the conduct of testing are available in most high school guidance centers in the United States.

Acceptance on Condition

Students who have been graduated from a secondary school but do not meet the requirements in subject matter areas and units may be accepted on condition. Any deficiency must be removed at Elon before the beginning of the sophomore year. A student entering with a deficiency may not be able to complete degree requirements in eight regular semesters.

Students whose deficiencies indicate a need for special work may be required to participate in the Transitional Program. Upon successful completion of this work and recommendation by the Transitional Program Coordinator, the student may proceed with regular course work.

Special Students

The College admits a limited number of special students. A special student is a student who is *not working toward a degree at Elon College*. These include:

1. *Persons who wish only private music instruction* in the Department of Fine Arts. Such applicants are admitted if instructors are able to schedule lessons for them.
2. *High school graduates* who wish to take classes of special interest.
3. *Visiting students* from other colleges during summer and winter terms.
4. *College graduates* who are interested in further study at Elon. Such applicants are admitted if they fulfill requirements for admission to the desired courses.
5. *College graduates* working toward teacher certification or recertification.
6. *High school students* who wish to take work on the Elon campus during their senior year. Credit for this work is generally transferable to other institutions. (Credit Bank Application required.)

Special students may register for no more than 7 hours per semester without approval of the Dean of Academic Affairs.

Advanced Placement and Credit

Applicants for admission may be placed in advanced classes of subjects

in which they have demonstrated superior ability and understanding. Recommendations for advanced placement come from the Dean of Academic Affairs with the approval of the department chairman.

Advanced Placement Examination

Students who earn a score of 3 or better in the Advanced Placement Tests of the College Entrance Examination Board taken at the high school during spring of the senior year may receive credit in the following fields: art, biology, chemistry, computer science, English, French, German, history, mathematics, music, physics, Spanish. Scores should be sent to Office of Admissions for approval by the Dean of Academic Affairs.

College-Level Examination Program (CLEP)

The College-Level Examination Program (CLEP) of the College Board enables students to earn college credit by examination. Students desiring to receive credit by examination are required to earn a scaled score of 500 on the General Examinations and/or a score of 50 on the Subject Area Examinations. Credit may be awarded in the following: Composition and Literature, Foreign Language, History and Social Sciences, Science and Mathematics. Adult students interested in receiving credit through CLEP should contact the Admissions Office for information. Scores should be sent to the Admissions Office for approval by the Dean of Academic Affairs.

American College Testing Proficiency Examination Program (PEP)

Students who demonstrate proficiency in the PEP examination may earn college credit in the following:

American Literature 203, 204; Freshman English 111; Accounting 201, 202; Education 211; Educational Psychology 321; Physical Education 120.

Scores should be sent to the Office of Admissions for approval by the Dean of Academic Affairs.

Department Examination

Students may contact the Dean of Academic Affairs for details concerning the process of credit through examination by departments at Elon in areas not covered above. The cost for each examination is \$150.00.

Transfer Credit

Elon offers credit for courses taken through college parallel programs at accredited junior colleges or community colleges, and for courses taken at accredited four-year colleges and universities. Transcripts are evaluated and credit is awarded on a course by course basis after the student has been accepted for admission.

No more than 65 semester hours of credit will be allowed from two-year institutions. No credit is allowed for a course with a grade report below that of a "C". Credit will not be given for classes taken while a student is under academic suspension.

Requirements for an AB or BS Degree:

1. Requirements for a major must be completed.
2. General Studies requirements must be completed.
3. Additional elective hours to equal the 126 necessary for graduation must be completed at Elon.
4. Admissions requirements in mathematics and foreign language must be satisfied prior to graduation.
5. It is necessary that a student have 36 hours of credit at the Junior-Senior level to qualify for graduation.

Credit for Veterans

Veterans entering Elon may transfer certified credits from various areas.

1. Military personnel on active duty who wish to submit CLEP credits should see their Education Officers concerning CLEP tests or write to USAFI, Madison, Wisconsin.
2. Work from other accredited post-secondary institutions may be accepted.
3. Service experience may be accepted for physical education and health requirements.

Acceptance and Room Reservation Deposits

All Resident Students. To complete acceptance and to reserve a room, a deposit of \$200 is due within the time specified in the letter of acceptance. This deposit is credited to the student's account. The full amount is refundable until May 1, with written notification of withdrawal. For the spring semester the full amount is refundable until December 15. A forfeited deposit can be refunded only upon a doctor's statement of applicant's inability to enroll.

If a resident student decides to commute, the Admissions Office must be notified before May 1, in order to get full credit for the room deposit.

All Commuter Students. To complete acceptance, a deposit of \$50 is due within the time specified in the letter of acceptance. It is not refundable after May 1 for the fall semester and December 15 for the spring semester, except upon a doctor's statement of applicant's inability to enroll.

General Costs

The cost of attending Elon College is purposely held at a reasonable level. The chart on the following page gives the particular charges for resident and commuter students. Please note that there are special tuition rates for part-time students.

Student Government Association and health service fees are collected from all students enrolled for nine or more semester hours during registration.

Room Charge. Students changing rooms without permission of the dean of students are charged for both rooms.

Board Charge. All resident students are required to board in the College dining halls. The cost of board is subject to change without notice. Double charge is made for special diets. Upperclass resident students may select a five-day meal plan.

Students living off campus but enrolled as full-time students may eat in the College dining hall upon payment of board fees for each semester as determined by the Business Office or through buying individual meals.

Book Expenses. The estimated cost of textbooks is \$450 for the academic year, of which \$225 is needed for purchases from the campus bookstore at the opening of fall semester.

Costs Covered by Tuition. Included in the tuition fees are costs of registration, use of the library, recreation facilities, admission to home athletic events, student publications, post office box for college housing, regular laboratory fees, and 8 to 18 semester hours of work, inclusive each semester.

The tuition, fees and estimated book expenses do not include fees for special courses and special laboratory work, which will depend upon the course of study undertaken. Personal expenses will vary with the individual student. For the student who must earn money toward his or her college expenses, there are a number of opportunities for work to be found through the Financial Planning Office.

Expenses for the 1991-92 Academic Year

Full-Time Enrollment/Day Students (12-18 hours)

	Fall Semester	Winter Term*	Spring Semester
Tuition	\$3,700	\$150/hour	\$3,700
Room (Double)	750	195	750
(Single)	975	255	975
Board** (Winter Term billed with Fall Semester)			
7 day plan	1,025	200	825
5 day plan (not available to freshmen)	910	175	735
Student Government	35		35
Health Service	25		25
Overload***	150/hour	150/hour	150/hour
Caution/Damage Deposit (refundable, applies to residence hall students only)	100		

*Residence hall students enrolled full-time fall semester, not attending winter term, will be eligible for a credit for winter term board. If a student is enrolled full-time for either fall or spring semester, there is no charge for the winter term. (Tuition, Room)

**After the beginning of a semester, a \$20.00 administrative fee will be charged to change meal plans.

***More than 18 hours in fall or spring; more than 4 hours in winter.

Part-Time Enrollment/Day Students

Tuition

1-8 hours	\$150/hour
9-11 hours†	\$225/hour

†Students enrolled for 9-11 hours are responsible for SGA fee.

Evening School

Undergraduate Programs

Tuition

1-8 hours	\$150/hour
9-11 hours	\$225/hour



Evening students can enroll in no more than 3 semester hours in the day program.

Graduate Programs

M.B.A. Tuition.....	\$175/hour
M.Ed. Tuition.....	135/hour

Summer School 1992

Tuition per semester hour.....	\$150
College enrollment fee including SGA of \$1.....	10
Room (\$195) and Board (\$360) per summer term	555
Auditing per course.....	110

Charges for other courses with special fees are listed in the catalog and/or the course schedule.

Special/Optional Fees (No Refund after Drop/Add Deadline)

Applied music lessons:

Each one semester hour credit or audit for non-music majors.....\$150

Each one semester hour credit or audit for music majors

taking second or additional lessons.....150

Charges for other courses with special fees are listed in the catalog and/or the course schedule.

Auditing per course.....110

Graduation Fees

Bachelor's Degree.....	\$35
Master's Degree.....	40

Miscellaneous

Late registration/Re-enrollment during term	\$25
Late payment	25
Drop/Add course after classes begin	10
Transcripts	3
Caution deposit (dorm damage and key) refundable after student leaves campus housing)	100
Examination for course credit	150
Automobile registration	
Resident students	30
Commuter students	20
Replace I.D. card	10
Replace meal ticket	10
Returned check fine	20

A student's grades or graduate's diploma and transcripts will be withheld until his/her financial obligations to the College are settled. A student cannot register for further course work until financial obligations to the College are settled.

Refunds**Academic Year — Fall and Spring Semester***

Tuition, fees, and room charges are refunded on a pro rata basis during the first five (5) weeks of the semester. Any part of a week will be considered as a full week for all pro rata charges.

If enrollment is dropped during:

- 1st week pro rata charge 5%
- 2nd week pro rata charge 20%
- 3rd week pro rata charge 40%
- 4th week pro rata charge 60%
- 5th week pro rata charge 80%
- 6th week — no refund

*Upon withdrawal, meal ticket refunds are pro-rated.

Notice of Withdrawal

In order to be eligible for refund upon withdrawal, a student must notify the Dean of Student Affairs in writing of his/her intentions. The student must also check out with the Student Financial Planning Office and the Cashier. Refunds are calculated as of the date of written notice to the Dean of Student Affairs.

Winter Term and Summer School*

Enrollment dropped during the second or third day of classes of Winter

Term or Summer School will warrant 90% refund of tuition and room charges. Enrollment dropped during the fourth or fifth day of classes of Winter Term or Summer School will warrant 50% refund of tuition and room charges. There will be no refunds after the fifth day of classes.

*Upon withdrawal, meal ticket refunds are pro-rated.

Payment Plans

Payment plans are available to students. These plans may be multiple year plans and may or may not include life insurance. Literature is distributed to entering freshmen and is available in the Financial Planning Office.

Financial Aid

Elon College is committed to the policy that no student should be denied a college education because of limited funds. To the extent possible, eligible students are aided in meeting costs through careful planning and through various forms of financial assistance.

To be eligible to receive any type of College, state, or federal aid, students must be making satisfactory academic progress towards the completion of degree requirements. In addition, priority for all campus-administered funds (except Pell Grant—see Pell Grant information below)) is given to students enrolled for at least 12 semester hours of course work per semester. No offer of financial aid will be made until an applicant has been accepted for admission to Elon College.

Financial aid programs vary by source, eligibility criteria, and application procedures. A financial aid “package” for an individual student may consist of a combination of (I) need-based aid (grants, loans, work) as well as (II) non-need aid and (III) payment options. Each type of aid available at Elon is described below.

I. **Need-Based Aid:** awarded to eligible applicants on the basis of financial need. Except for GSL, these programs are available to undergraduates only.

A. *Types of Need-Based Aid*

1. Grants: money which does not have to be repaid.

a. Federal Grants

1) *Pell Grant:* Applicants receive a Student Aid Report (SAR) which they submit to the Financial Planning Office. Grant eligibility is determined on the basis of the SAR and students' course loads (must enroll for a minimum of 6 hours per semester).

2) *Supplemental Educational Opportunity Grant (SEOG):* awarded by the College from federal funds to students demonstrating high need.

b. State Grants

1) *North Carolina Contractual Scholarship Fund:* state funds awarded by the College to North Carolina students who

qualify on the basis of need.

2) *North Carolina Student Incentive Grant*: state funds awarded by the College Foundation, Inc. to North Carolina students who qualify on the basis of need.

c. *Institutional Grants*: students may be considered for grant funds and Endowed Scholarships listed in the College Catalog by completing the application procedures for need-based aid (described below).

2. *Loans*: long-term, low-interest loans available to eligible applicants. Repayment begins after student is no longer enrolled at least half-time.

a. *Perkins National Direct Student Loans (Perkins NDSL)*: awarded by the College from federal funds to students demonstrating high need. Interest during repayment is 5%.

b. *Stafford Loan*

Funds from private lenders (banks, credit unions). Eligibility is based on financial need, as determined by completing the Financial Aid Form (see Application Procedures, below). It is generally necessary for applicants to complete additional application materials for the lender. Graduate students may borrow through this program. Interest during repayment is 8% in the first four years, which then increases to 10%.

3. *College Work-Study Program (CWSP)*: federal funds awarded by the College to eligible applicants who demonstrate financial need in accordance with the federal guidelines. Students work on campus and are paid according to hours actually worked. Earnings are limited to the amount awarded in the financial aid package. College funds pay 30% of students' wages.

B. *Application Procedures for Need-Based Aid*

1. File a Financial Aid Form (FAF) with the College Scholarship Service (CSS) and designate Elon College to receive a copy.
2. Complete the Elon Aid Application.
3. Respond to any requests for additional documentation.

Note: Priority consideration for need-based financial aid will be given to eligible applicants whose financial aid file is complete by May 1 prior to the academic year for which aid is requested.

II. Non-Need Aid: funds awarded to students on the basis of special characteristics, merit, or achievement.

A. *Grants/Scholarships*: money which does not have to be repaid.

1. North Carolina Legislative Tuition Grant: grant to all full-time undergraduate students who are legal residents of this state. In 1990-91, the grant was \$1116 (\$558 per semester). A brief application must be completed at Registration.
2. Private Scholarships: funds awarded by foundations, service clubs, churches, employers to students selected by the donor. Students generally seek these funds on their own.
3. Military: ROTC, National Guard, and Veteran's programs offer financial assistance for college expenses. Contact the unit nearest you.
4. North Carolina Teaching Fellows: N.C. high school seniors may apply through their school for the Teaching Fellows program. Those selected by the Teaching Fellows Commission may enroll at Elon at no cost: the program covers tuition, fees, room, and board. Special programs are offered throughout the 4 years, including a semester abroad. For more information, contact your high school guidance counselor.
5. North Carolina Programs: the state offers a number of scholarship and loan programs for students enrolled in specific educational programs (education, health) or who have interest or involvement in 4-H or the insurance industry. Additional information is available in the Financial Planning Office. North Carolina agencies also provide assistance through Aid to Families with Dependent Children (AFDC) and Vocational Rehabilitation for eligible applicants. Contact the office nearest you.
6. Institutional Awards
 - a. Academic Scholarships: applicants for admission to the College who qualify for academic scholarships are nominated and invited to apply for scholarship competition.
 - b. Leadership Fellows: applicants for admission to the College who qualify for this award are nominated and invited to apply.
 - c. Performance Awards: funds awarded to students who demonstrate high achievement in areas such as music or athletics. In addition, there is limited scholarship money for students studying in particular majors (such as religion, history, business). To apply for performance awards, contact the appropriate academic department.

B. *Non-Need Loans*: long-term loans available to assist in financing educational expenses, based upon credit-worthiness rather than "need."

1. Parent Loans for Undergraduate Students (PLUS): parents may borrow up to \$4,000 per academic year through a private lender (bank, credit union) for each of their dependent undergraduates enrolled at least half-time in college. Interest rate is variable and payment of

interest begins immediately. Repayment of the principal may be deferred while the student is enrolled. Applications are available from the lender.

2. Supplemental Loans for Students (SLS): independent students and graduate students may borrow up to \$4000 per academic year through a private lender. Interest rate is variable. Repayment of principle may be deferred until student ceases to be enrolled, but interest payments are not deferred. Applications are available from the lender. *Applicants must also file the FAF.*
3. TERI Loans: loans through private lenders for \$2000 to \$15,000. Interest rate is variable. Additional information available from the Financial Planning Office.
4. Private Loans: funds through the student's/parents' own resources: financial institutions, employer, or family.

C. *Employment: on and off campus.*

1. Institutional Work-Study Program (IWSP): available to students who do not qualify for CWSP. Interested students may seek campus employment through departments which have funds to pay them through their own budget. Assistance is available at the Career Planning and Placement Office.
2. Off-Campus Employment: opportunities for part-time work in the near-by community and summer jobs are available through Career Services.

III. Payment Options

1. VISA/Mastercard: Elon College accepts these charge cards for payment of tuition and fees.
2. Ten-Month Payment Plan: charges for the entire academic year, minus financial aid, are divided by 10 for monthly payments from May 15 through February 15.

Elon College Endowed Scholarships

Endowments provided through the generosity of private donors generate earnings which are awarded as the scholarships listed below. Students may be considered for these awards by completing the application procedures described for need-based aid.

Aetna Life and Casualty Scholarships. Awarded to minority students with above-average academic records who have financial need. Funds are provided by the Aetna Life and Casualty Foundation of Hartford, Connecticut.

Edward M. Albright Scholarship. Established by his wife, the late Olivia White Albright.

Simeon Lee Allen Scholarship. Established by his sister, Mrs. Naomi Allen Garber, income from this fund provides aid for deserving students, preferably from the Elon Home for Children.

Nina and Dickie Andrews Scholarship. Created by R. Homer Andrews in memory of his wife, Nina, and their son, Dickie. For needy and worthy students, preferably from Alamance County.

The Rev. J. Frank Apple Memorial Scholarship. For worthy and deserving students, preferably preparing for full-time church-related vocations.

Dr. J. O. Atkinson Memorial Scholarship. Established by the members of the family of the Reverend J. O. Atkinson.

Band Scholarships. Awarded on a limited basis to students who are talented musicians and participate in band activities.

John W. Barney Memorial Scholarship. Established by colleagues, former students, and friends.

Barrett-Harward Scholarship. Created by William E. and Sue Barrett Harward in memory of Waverly S. Barrett and William D. Harward, Class of 1896.

R. H. Barringer Distributing Co., Inc. Tennis Scholarship. Selected by the college tennis coaches, alternating between men and women, with preference to students from Alamance, Caswell, Guilford, or Rockingham Counties, N.C.

Walter H. and Barbara Day Bass Scholarship. Awarded to students who have financial need and a record of high academic achievement.

Robert C. Baxter Scholarship. For worthy students.

Frederick Wharton Beazley Scholarship. Established by The Beazley Foundation in memory of Mr. Beazley, businessman and philanthropist, income from this Leadership Scholars fund will be given with first preference to Tidewater area Virginia students.

Robert Charles Beisinger Scholarship. For deserving students concerned with mission work, preferably among Spanish-speaking people.

Carol Grotnes Belk Scholarship. Established by Irwin Belk in honor of his wife, income from this fund provides scholarships to worthy students.

Jennie Willis Atkinson Bradford Scholarship. For a worthy student in the Department of Fine Arts.

Ned Faucette Brannock Scholarship. For a senior in the Department of Chemistry who engages in an original research project as part of his study program.

Brannon-Sugg Scholarship. Established by Horace O. and Mary Sue Sugg Brannon in honor of their children, this scholarship is for deserving students, preferably from Alamance, Randolph or Polk Counties, N.C.

C. V. "Lefty" Briggs Athletic Scholarship. Established by his daughters for a student who possesses outstanding athletic ability and high moral character.

Richie E. and Agnes R. Brittle Scholarship. Created by Hunterdale United Church of Christ, Franklin, Virginia.

Trudie Kimrey Bueschel Christian Education Scholarship. Established by Mr. and Mrs. Thomas L. Bass, Jr., in memory of her mother. Income from this fund is awarded to deserving students pursuing a full-time Christian vocation, with preference given to members of Haw River United Methodist Church.

Burlington Business and Professional Women's Club Scholarship. For needy and worthy women students from Alamance County.

Burlington Handbags Scholarship. Established for employees of Burlington Handbags and their families or a deserving Alamance County student.

William E. "Buster" and Mary Griffin Butler Scholarship. For worthy students from North Carolina or Virginia, preferably children of school teachers and/or college business officers.

Byrd Scholarship. Established by C. R. Byrd, Jr., and H. W. Byrd for employees of Byrd's Food Stores, children of employees or students pursuing a course of study leading to a career in full-time Christian work.

Luther Byrd Athletic Scholarship. Awarded annually alternating between a women's basketball player and a student working in the college's Sports Information Office.

Caddell Memorial Scholarship. In memory of Dr. Stephen Washington and Cora Bell Caddell by members of their family. For a student of good character who has demonstrated high academic achievement.

Pauline Nina Taylor Cammack Memorial Scholarship. Established by Ramsey E. Cammack in memory of his wife, income from this fund is awarded annually to deserving students.

Isabella Walton Cannon Scholarship. For deserving students of good character interested in governmental service and political science.

Dr. George L. Carrington Scholarship. Established in memory of her husband by Elizabeth Scott Carrington for deserving students.

Caswell-Alamance Scholarship. For a student from Alamance or Caswell County who has demonstrated high academic achievement and high moral character.

Z. Vance and Philip Vance Cates Scholarship. Given by Gordon Pannill Hurley, Jr. and James Franklin Hurley, IV, in memory of their grandfather, Z. Vance Cates, and their uncle, Philip Vance Cates, income from this endowment fund is used to assist academically-talented students.

Wallace L. Chandler Scholarship. For students from the Richmond, Virginia metropolitan area, who have demonstrated high academic achievement and have substantial promise for continued success.

Frederica Olsson and Constant Woodman Chase, Jr. Memorial Scholarship. Established in memory of Dr. Carole F. Chase's parents and awarded annually to one or more non-traditional students who are majoring in one of the liberal arts.

Paul and Ruth Cheek Scholarship. For chemistry students with high academic average.

Class of 1925 Scholarship. In honor of the living and in memory of the deceased members of the Class of 1925.

Class of 1930 Scholarship. Established by the members of the Class of 1930.

Class of 1938 Centennial Scholarship. Earnings from this fund, established by members of the Class of 1938, provide scholarships for deserving students.

George D. Colclough Scholarship. Created by gifts from the family and friends of George D. Colclough, Class of 1924.

Carl and Betty Coley Scholarship. For worthy students.

Comer Golf Fund. Established by Mr. and Mrs. Marvin Comer and awarded to a worthy member of the Elon College Golf Team.

Alyse Smith Cooper Music Fund. Established by Mrs. Alyse Smith Cooper. Income used preferably for scholarships for music students with priority being

given to those from Alamance County or North Carolina, or for support of the music program of the College.

Billy Crocker Jazz Scholarship. To a member of the Emanons selected by a vote of members and directors of the Emanons.

Alan Wheeler Crosby Scholarship. Established by the Crosby family and his friends.

Danieley Scholarship. In honor of Dr. J. E. Danieley, sixth president of the College, a scholarship is awarded to a worthy member of the freshman class.

J. E. Danieley Scholarship. Established by Mr. and Mrs. Chester W. Burgess, III, in honor of the sixth president of the College, income from this fund provides scholarships for worthy students based on need and acceptable academic standing.

Verona Daniels Danieley Scholarship. Based on character, need, and demonstrated academic potential, with preference given to women students from Carteret and Alamance Counties, N.C.

T. B. Dawson Scholarship. Established by friends and relatives of the late T. B. Dawson; income from this fund is given to a deserving student.

Dwight L. Dillon Athletic Scholarship Award. Established in 1989 by the family of Dwight L. Dillon, an Elon alumnus from Bassett, Va., to provide scholarship assistance to a football or golf student athlete with a preference given to an athlete in the Martinsville-Henry County area of Virginia.

Maggie Baynes Dixon Ministerial Scholarship.

Dewey Hobson Dofflemyer Scholarship. Established by his wife, Annie Onley Dofflemyer.

William H. and Kathryn M. Duncan Scholarship. For deserving students who are legally blind or who have impaired vision.

Eastern North Carolina Ministers Memorial Scholarship. Preferably for worthy and needy students who are from churches in the Eastern North Carolina Association and who are majoring in religion.

W. Clifton Elder Scholarship. For a well-rounded, deserving student, preferably from an Alamance County textile family.

Elon College Community Church Scholarship. For worthy students, preferably from the church.

Thad Eure Scholarships. Honoring former N.C. Secretary of State and Elon Board Chairman Thad Eure, this fund provides scholarships to deserving students.

Clyde Lee Fields and Bertie S. Fields Memorial Scholarship. Established by friends, associates and family in memory of Dr. Clyde L. Fields, Class of 1949, clergyman and community leader, and in honor of Mrs. Bertie S. Fields, to be awarded to deserving students.

First Christian Church, Portsmouth, Virginia, Memorial Scholarship. Established in 1965 by the Women's Fellowship and others of the First Christian Church.

Mary Ruth and Archibale F. Fleming, Jr. Scholarship. For tuition and fees of one or more students.

A.J. Fletcher Music Scholarship. To assist incoming or returning music majors who show scholastic promise, progress and ability in music performance, and who need financial assistance.

H. Terry and Nonnie B. Floyd Scholarship. Established by their son, Dr. Walter Lawrence Floyd, income from this fund provides financial aid to students.

Lacy R. Fogleman Scholarship of St. Mark's Reformed Church. For worthy and deserving students preferably from St. Mark's Church or Alamance County, and preferably pursuing preministerial or Christian Education studies.

Franklin Congregational Christian Church Scholarship. To a deserving student with the following order of preference: (1) a member of the Franklin, Va. Church, (2) a member of an Eastern Virginia Association Church, (3) a member of a Southern Conference Church.

Charles A. Frueauff Foundation Scholarship. For academically talented students.

John L. Frye Scholarship. For deserving students, with preference given to football participants.

Allen Erwin Gant Scholarship. Established by his sisters, Miss Jessamine Gant and Miss Corinna Gant. Preference given to students who are residents of Alamance County.

John L. Georgeo Scholarship. For both men and women who have high academic success or potential and leadership ability.

Frederick K. Gilliam, Sr. Scholarship. Provided by friends and associates of Mr. Gilliam, income from this fund provides scholarships for deserving students in accounting.

Glen Raven Mills Educational Award. For worthy students, preferably Glen Raven Mills employees or members of employees' families.

Mills E. and Katherine B. Godwin Scholarship. For worthy students in need of assistance and from the Hampton Roads area of Virginia.

Judge Eugene A. Gordon Scholarship. For a deserving student from North Carolina or Virginia.

John S. Graves Scholarship. For a student who best exemplifies Graves' philosophy of life: "Faith in God coupled with love and respect for one's fellow-man."

Griswold-Watts Scholarship. Established by Dr. and Mrs. Frederic T. Watts, Jr. in honor of their parents, Mr. and Mrs. L. S. Griswold and Mr. and Mrs. F. T. Watts, Sr. To aid academically talented students divided between a member of Sigma Phi Epsilon Fraternity and a political science major.

Jewell Presnell and Carl C. Hall Memorial Scholarship. Established through Mr. Hall's estate, for deserving students.

Robert Kelley and Pearle Jones Hancock Scholarship. Established by their daughter, Mrs. Myrle Hancock Chamberlain, and their grandson and his wife, The Very Reverend and Mrs. David Chamberlain.

Dr. Howard S. Hardcastle Memorial Scholarship. For scholarship aid for needy and deserving students, preferably from the Eastern Virginia Association area.

Harper Scholarship. In memory of Dr. W.A. Harper, fourth president of the College, a scholarship is awarded to a worthy member of the freshman class.

Charlotte A. Hebard Scholarship. The Asheville United Church of Christ administers this fund for worthy "orphaned and neglected children," preferably those from the Elon Home for Children.

E.E. Holland Scholarship. Established by a bequest from the estate of Eunice Ensor Holland as a memorial to Edward Everett Holland.

Holmes Memorial. Established by Miss Ethel Marsh Holmes as a memorial to her brother, Howard Braxton Holmes.

Don S. and Margaret M. Holt Scholarship. Established through Mrs. Holt's estate, to provide scholarship for students in Love School of Business.

Vitus Reid Holt Scholarship. For students from the Elon Home for Children.

A. L. Hook Scholarship. For deserving students. Special consideration should be given to students who plan to take a course in physical science.

C. Chester Huey Athletic Scholarship. Established by his widow, Josie; his daughter, Elna; and his son, Paul, for a deserving student baseball athlete.

Edward F. Iseley Athletic Scholarship. Awarded to deserving Alamance County student athletes.

Margaret Plonk and S. Carlyle Isley Scholarship Fund. Given by Margaret Plonk and S. Carlyle Isley, income from this endowment will provide scholarship assistance to deserving students living in Alamance County, North Carolina.

Archie and Adelaide Israel Scholarship. For deserving students.

Laura and Nelson Jackson Scholarship. Created by Mr. and Mrs. Nelson Jackson, Sr., for needy and worthy students who have exhibited a potential for positive contributions to the college community and society.

Mr. and Mrs. Burney Jennings Scholarship. Established by the Jennings to benefit a student attending Elon.

Jephson Educational Trust Scholarships. Provided for students who have good academic records and demonstrate financial need. Funds are provided by the Jephson Educational Trust Number 1 of New York City.

Dr. I. W. Johnson Scholarship. A gift from Mrs. Sallie Bertie Ellenor Johnson, wife of the Reverend I. W. Johnson.

Ada Smith Johnston Scholarship. Established under the will of the late Minnie Johnston Wilson, this scholarship is to be awarded to the most outstanding junior majoring in education.

Charles D. Johnston Scholarship. Established under the will of the late Minnie Johnston Wilson, this scholarship is to be given to the most outstanding ministerial student at the end of his/her junior year—money to be used for senior year expenses.

Effie Wicker Johnston Music Scholarship. Established under the will of the late Minnie Johnston Wilson, to be given to an outstanding freshman music student for sophomore expenses.

Rebecca Johnston Music Scholarship. Established under the will of the late Minnie Johnston Wilson to be given to an outstanding sophomore music student for junior year expenses.

Virginia Somers Jones Scholarship. For deserving students.

John M. Jordan Scholarship. For a deserving student from Alamance County, preferably with a foster home background.

Juanita Wheeler Keeton Scholarship. Established in memory of Ms. Keeton, for non-athletes with financial need.

Esther Cole and John Robert Kernodle Scholarship. For above average, honor-type, needy students who study science or music.

Lecy Martin Kernodle Scholarship. This bequest provides aid for Alamance County students majoring in education.

Virginia Beale Kernodle Scholarship. Created by John T. Kernodle for deserving students, preferably those from Eastern Virginia.

Lucian and Lelia King Scholarship. For deserving students.

Sherri Sparrow King Scholarship. Established by family and friends in memory of Sherri Sparrow King. First preference to be awarded to a mathematics major, second preference to a business or accounting major.

Ralph F. and Florance Walker Kirkpatrick Scholarship. For a student from Alamance County with an outstanding academic record.

H. D. and Minnie Trollinger Lambeth Scholarship. For a student from Alamance County with an outstanding academic record.

Lee County Scholarship. For needy students, preferably preparing for full-time church-related vocations from one of the participating churches.

Lester Scholarship. Established by Fletcher C. Lester for ministerial students, students preparing for full-time Christian service, or worthy UCC students from N.C. or Virginia.

Edward W.W. Lewis Scholarship Fund. Established by the family of Dr. Lewis; to be given to students who demonstrate academic excellence and financial need.

Max Lieberman Scholarship. For a male student from Alamance County chosen by the Alamance County Board of Education and Graham High School.

Luther A. and Georgia V. Lineberger Memorial Scholarship. For qualified and deserving students.

Long Scholarship. In memory of Dr. W. S. Long, founder and first president of the college, a scholarship is awarded to a worthy member of the freshman class.

Claude V. and Alva Lee Currin Long Scholarship. For deserving students, preferably from Alamance County.

Mills and Mary Alice Luter Scholarship. For a deserving student preferably from the Elon Home for Children.

Zebulon and Alma Lynch Scholarship. Established by Dr. Betty Lynch Bowman and her husband, J. Fred Bowman, in honor of her parents, for needy and worthy students, preferably from Alamance County.

Lynnhaven Colony Congregational Church (UCC) Scholarship. For deserving students preferably from Lynnhaven Colony Church.

Sue Boddie Macon Scholarship. Established by Miss Margaret P. Alston and Mrs. Pattie Alston Macon.

Winona Morris Madren Scholarship. For deserving students with preference to students from Albemarle, Greene and Rockingham Counties of Virginia or from the Shenandoah Association Area of the U.C.C. This fund was established in memory of her husband, the Reverend Silas E. Madren, and her parents.

C. Almon (Mon) McIver Centennial Scholarship. Established by Dalton McMichael in honor of Mr. McIver, Class of 1936, income from this fund is for students with demonstrated leadership ability and high academic standing.

William L. and Beulah McNeill Maness Scholarship. Established by the Rev. Mr. Maness in memory of his wife, for worthy and needy students pursuing careers in Christian service.

William Raymond Massey Scholarship. Established by David S. and William H. Massey in memory of their grandfather, income from this fund provides assistance to rising juniors majoring in Business Administration with preference given to Alamance County students.

Graham "Doc" Mathis Athletic Scholarship. For deserving student-athletes alternating between basketball, football and baseball.

John Z. and Mildred W. McBrayer Scholarship. For a deserving student from Cleveland County.

McCrary Scholarship. Established by Iris and John McCrary for academically talented students who have financial need.

Miles-Dumville Memorial Scholarship. Established through the bequest of William F. Miles, this fund aids worthy students in the field of education or religion. Named for Virginia Green Miles, W. Bennett Miles, and Ellen Miles Dumville.

Robert Rodgers Miskelly Memorial Scholarship Fund. Given by the family and friends, in memory of Robert Rodgers Miskelly, to a deserving student.

Moffitt Scholarship. In memory of Dr. E. L. Moffitt, third president of the college, a scholarship is awarded to a worthy member of the freshman class.

Jane Belk Moncure Scholarship. Established in honor of Jane Belk Moncure, distinguished educator and author, by her husband, James A. Moncure, for an academically talented student.

Moser Scholarship. For deserving students preferably pursuing full-time Christian work who are from Alamance County and the Davis Street United Methodist Church.

Niagara Church Scholarship. For needy and worthy students, preferably from Moore County.

Annie Ruth Webb Parker Scholarship. Established by family and friends in memory of Annie Ruth Webb Parker, Class of 1965 and is to be awarded to a needy student from Alamance County.

Vivian Wrenn Pell Scholarship. Established by Sybrant H. Pell in honor of his wife, for worthy music students, with preference given to keyboard or orchestra study.

Wayne H. and Mable B. Perrine Memorial Scholarship. For worthy students who have special talent in the performing arts.

Donald W. and Shirley M. Perry Scholarship. For deserving students from Alamance County.

L. J. "Hap" Perry Athletic Scholarship. Established by his sons, preferably for a student from Reidsville Senior High who participates in a sport at Elon.

Paul C. and Margaret S. Plybon Scholarship. Established by Paul C. Plybon, Sr., Class of 1948, and his wife, Margaret S. Plybon, for worthy students who have demonstrated high academic and leadership qualities.

Horace Powell Scholarship. Established by Horace C. Powell of Fuquay-Varina, N.C., for worthy students preferably from Wake Chapel Church.

Rex and Ina Mae Powell Scholarship. Mr. and Mrs. Rex Powell established this fund for the education of children of ministers who attend Elon.

O.D. Poythress Scholarship. Established in honor of the Reverend Olive Daniel Poythress for worthy and needy students, with preference being given to students from the South Norfolk Christian Church, Chesapeake, Virginia.

The Rev. Lacy M. Presnell, Sr. Memorial Scholarship. Established by family and friends to provide financial assistance for worthy and deserving students, preferably those from the general Randolph County area preparing for full-time church-related vocations.

Presser Scholarship. Provided by friends of the Presser Foundation of Philadelphia, Pa., for deserving students who are preparing to become teachers of music.

Emmett H. and Katherine H. Rawles Scholarship. For academically

talented students.

Japheth E., Jr., and Virginia B. Rawls Scholarship. For academically talented students.

Paul Reddish Scholarship. For rising junior and senior biology majors selected by the biology faculty. Criteria include scholarship, need, devotion to biological sciences, leadership and personal values.

Richmond Alumni Chapter Scholarship. For freshmen students from the Richmond, Va., area.

George B. and Bessie Holmes Robbins Scholarship. For deserving students.

Arthur H. and Trudy B. Rogers Scholarship. Established by the Rogers to assist a deserving student, preferably from Alamance or Stanley Counties.

Hurley D. Rogers Memorial Scholarship. Established by Mrs. Hurley D. Rogers in memory of her husband, income from this fund provides assistance for qualified and deserving students.

Viola V. and Amos Thornton Rollings Scholarship. Established by a bequest from the estate of Viola V. Rollings for needy students.

Albert Oscar and Mary Susan Rudd Scholarship. Established by Mary Rudd Turner in memory of her parents, earnings provide scholarship assistance for deserving students.

W. L. Rudd Scholarship and Loan. Established by W. L. Rudd, to aid needy and worthy Christian students.

St. Mark's Reformed Church Scholarship. For deserving students, with first preference to students from St. Mark's Reformed Church.

Sanders-Myers Memorial Scholarship. Given by Dr. and Mrs. Allen B. Sanders in memory of their parents, Ralph E. and Edith Bailey Myers and Grady M. and Lucie Allen Sanders, for a deserving student.

Tom Sawyer-Huck Finn Tennis Scholarship. For deserving men and women who are members of the Elon College Tennis teams.

Renold O. Schilke Trumpet Scholarship. Awarded to selected band students who are interested in playing the trumpet.

James C. Scott Golf Scholarship. To provide a golf scholarship.

Zondal Myers Sechrest Scholarship. For qualified and deserving students, with first preference to Thomasville, N.C. and Davidson County students.

John Duncan Shaw Scholarship. For a student from Jordan Matthews High School in Siler City, N.C., who has demonstrated high academic achievement.

Nancy Gordon Sheffield Scholarship. For a deserving student, preferably from Alamance or Guilford counties.

Charles E. Shelton Memorial. Created by the First United Church of Christ of Portsmouth, Va., preferably for one or more students from the Tidewater, Va., area pursuing full-time Christian vocations.

Bertha Paschall Shipp Scholarship. Established by Bertha Shipp by bequest for deserving students as determined by the college scholarship committee.

John L. Sills, Jr. Scholarship. Funded by Riverview Narrow Fabrics, this fund is awarded each year to a rising junior accounting major and may be renewed the senior year.

Smith Scholarship. In memory of Dr. Leon Edgar Smith, fifth president of the college, this fund was established by an initial gift from John T. Kernodle of Richmond, Va. Additional contributions have been received from friends of the late President Smith. For worthy students.

Oscar F. Smith Scholarship. Established by bequest from Oscar Frommel

Smith, trustee. For scholarship assistance to students preferably from Eastern Virginia.

Somers Scholarship. Established by the late Chaplain Lester I. Somers, CDR, USN, and his wife, Mrs. Doris Loraine Somers, for the most outstanding senior majoring in religion or preparing for a full-time Christian vocation.

Southern Bell Fellow Scholarship. Established by Southern Bell; to deserving students from the Southern Bell service area.

John and Helene Sparks Scholarship for Business. To aid students in the Department of Business Administration.

Stadler Country Hams, Inc., Scholarship. To provide scholarship aid to a deserving student.

Thomas R. "Bud" and Doris Ward Stadler Scholarship. Established in honor of their daughter, Mona Carol Stadler Covington, income provides scholarships for academic achievers from Alamance County, N.C.

Staley Scholarship. In memory of Dr. W. W. Staley, second president of the college, a scholarship is awarded to a worthy member of the freshman class.

Dr. W. W. Staley Scholarship Fund of the Suffolk Christian Church. Established by the Suffolk Christian Church for a ministerial student or a student in an associated field with preference given to members of the Suffolk Christian Church or members of churches in the Eastern Virginia area.

Mary Frances Stamey Memorial Scholarship. Given by her mother, Willie Packard Stamey, for deserving students from Cleveland County, North Carolina.

Sigmund Sternberger Scholarships. Provided for Guilford County students who are strong scholars and in need of financial assistance. Funds are provided by the Sigmund Sternberger Foundation of Greensboro, North Carolina.

Alda June Stevens Memorial Scholarship. For worthy students, preferably those preparing for full-time Christian service.

Elwood E. Stone Scholarship. Established by his wife, Lucile C. Stone, and their son, Elwood E. Stone, Jr., for a promising student in early childhood education.

William H. Stratford Scholarship. Created by a bequest from Mrs. Marguerite R. Stratford in memory of her husband.

Suffolk Christian Church Scholarship. Awarded upon the recommendation of Suffolk Christian Church with preference given to members of that and other UCC churches in the Suffolk, Virginia area.

Algernon Sydney Sullivan and Mary Mildred Sullivan Scholarships. Awarded to the college's most outstanding students who also demonstrate need for financial assistance. The scholarships are provided by grants from the Algernon Sydney Sullivan Foundation of Morristown, N.J.

Rodney E. Taylor Scholarship. Established by Mr. and Mrs. Rodney E. Taylor for deserving students.

William Brown Terrell Scholarship. To honor William Brown Terrell, educator and civic religious leader. Awarded to a deserving athlete.

Times-News Scholarship. For present or former Times-News newspaper carriers.

Lillian Pearl Tuck Endowment. Established in memory of Miss Lillian Pearl Tuck, a graduate of Elon College and a dedicated educator.

Wallace Lincoln Tuck Scholarship. For needy students.

Arline Lindsay Tweed Scholarship. Established by Mrs. Arline Lindsay Tweed to aid qualified students.

Union United Church of Christ Scholarship. For a deserving student or students from the Union United Church of Christ, Virgilina, Virginia.

Velie Memorial Music Scholarship. Established by relatives and friends. For a deserving student majoring in music. Professor Velie was a member of the music faculty at Elon College and directed the choir of the Elon College Community Church.

Thyra Wright Vestal Scholarship. Established by Mrs. Vestal for a deserving student preparing for a Christian vocation.

Robert Ronald Wagner Memorial Scholarship. Established by Robert R. Wagner II in memory of his father. Income from this fund is awarded to ministerial students.

Wake Chapel Christian Church Scholarship. For needy and deserving students, preferably from Wake Chapel Christian Church (UCC).

Catherine N. Walker Scholarship. Established in honor of Mrs. Walker by her son, Zac. T. Walker, III, income from this fund is awarded to deserving students who maintain a 2.5 grade point average or better.

D. C. "Peahead" Walker Scholarship. Established by gifts from family, friends, and former students, for scholarships alternating between football, basketball, and baseball.

C. Max Ward Scholarship. Established by C. Max Ward for students who show academic promise, a definite need, and an interest in athletics.

Cynthia Nicole Ward Education Endowment. Established by Mr. and Mrs. W. Hunt Ward, to be awarded to a junior or senior education major from North Carolina or Virginia.

Clyde T. and Esther Ward Golf Scholarship. Established by C. Max Ward, Class of 1949, and Cynthia Fertig Ward in honor of Mr. Ward's parents. For members of the golf team.

Rachel and Bethany Ward Scholarship. Established by George Michael Ward in honor of his two daughters, for deserving women athletes.

William I. Ward, Sr., and David Samuel Ward Scholarship. Established by William I. Ward, Jr., for graduates of Graham (N.C.) High School, or its successor high school, or a resident of Graham who possesses good character, inquiring mind and has financial need.

Dudley Ray Watson Scholarship. Provided by Mr. and Mrs. J.D. Watson for a rising senior majoring in business administration. Based on scholarship, character and potential for societal contribution.

Watterson-Troxler History Scholarship. Awarded by the history faculty to a student with high academic standing, this scholarship fund was provided by Carole W. and George W. Troxler in honor of their parents, Mr. and Mrs. Eugene P. Watterson and Mr. and Mrs. G. Shail Troxler.

Floyd E. West Scholarship. Established in Mr. West's memory by his wife and family, income from this fund is for children of West Brothers Transfer and Storage employees and descendants of Mr. West.

Colonel Henry E. White Scholarship. For deserving students.

Margaret Delilah Bobbitt White Scholarship. Established by her son, Colonel Henry E. White for an outstanding student, preferably from Vance County, N.C.

Nellie Glenn White Scholarship. For deserving students, with preference given to members of the Congregational United Church of Christ, Greensboro.

Minnie Johnston Wilson Scholarship. Established under the will of the

late Minnie Johnston Wilson to be given to members of the junior class who are in good standing and in need of financial assistance.

C. Carl Woods Scholarship Award. Established in 1986 by C. Carl Woods, an Elon alumnus from Durham, N.C., to provide scholarship assistance to a deserving student athlete in the sports of football or basketball.

Youth's Friends Scholarships. Awarded to outstanding students who need financial assistance. These awards are made possible by funds provided by the Youth's Friends Association, Inc., of Murray Hill, New Jersey.

James R. and Nina B. Young Scholarship. For worthy academically talented students.

Mr. and Mrs. John F. Youngblood Scholarship. Established by Rachel Y. and D. Lewis Holt in honor of her parents, Mr. and Mrs. John F. Youngblood, for deserving students with preference given to non-traditional students majoring in history education, intermediate education or music education, who have demonstrated high academic achievement.

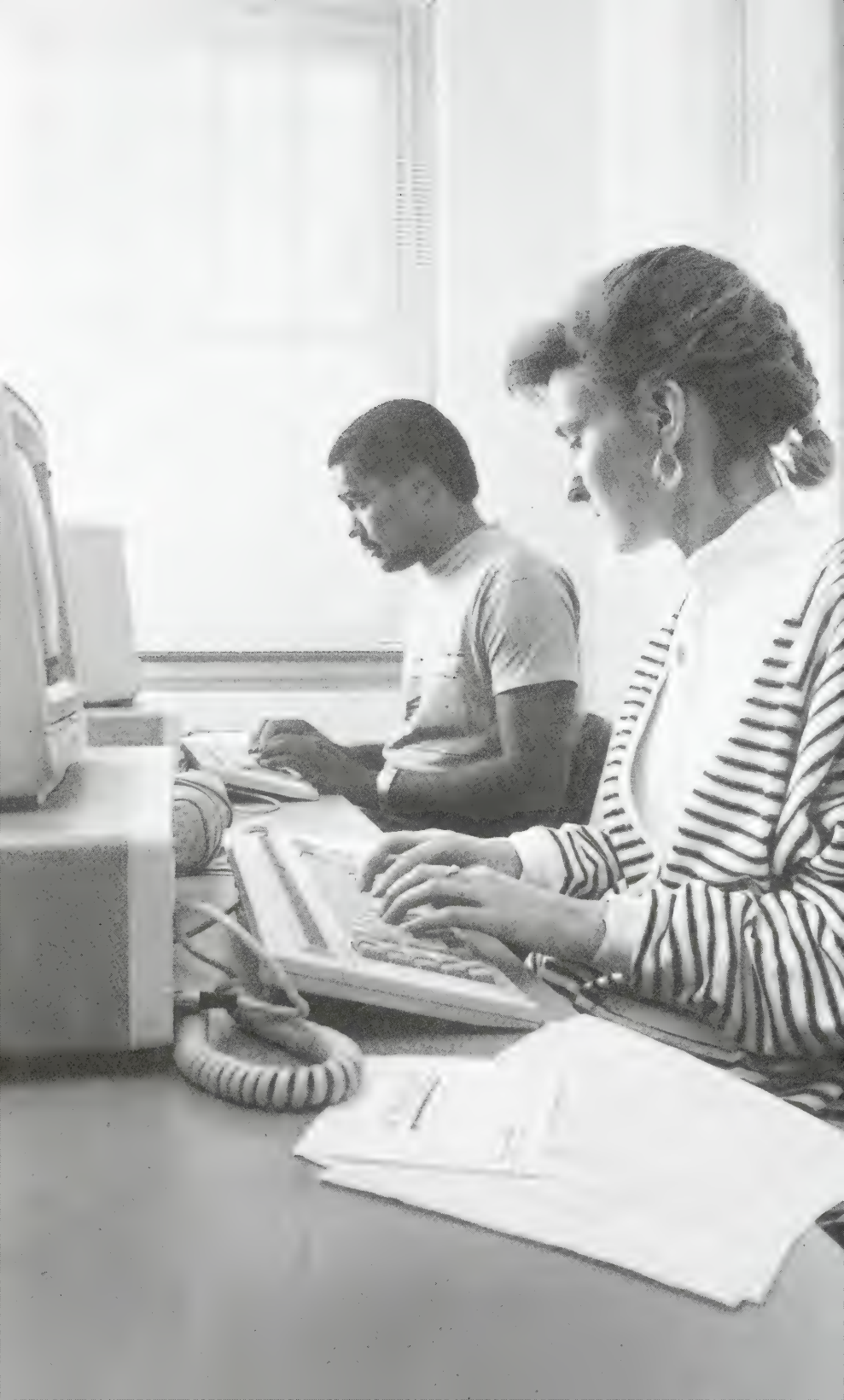
Loan Funds

Burlington Elks Scholarship Loan Fund. Lodge #1433. For students who are residents of Alamance County.

Maggie B. Dixon Loan Fund. To assist members of the junior and senior classes.

Verlie I. Smith Student Loan Fund. For qualified students from North Carolina.

T.M. Stanback Fund. Created by gifts from Mr. and Mrs. T.M. Stanback for the purpose of making loans to worthy students. The student must sign a promissory note endorsed by another responsible person. Reasonable interest is charge on the unpaid balance after the student's program of studies is terminated.



ACADEMIC REGULATIONS

Undergraduate Degree Requirements

Degrees and Major Fields

Bachelor of Arts (A.B.)

Biology	Journalism
Chemistry	Mathematics
Communications	Music
(Broadcast and Corporate)	Music Theatre
Computer Science	Philosophy
Economics	Physics
Education	Political Science
Elementary (K-6)	Psychology
Middle Grades (6-9)	Public Administration
Secondary Certification	Religion
English	Science Education
French	Social Science
General Music	Sociology
History	Spanish
Human Services	Theatre Arts

Bachelor of Science (B.S.)

Accounting	Health Education Leisure/
Biology	Sports Management
Business Administration	Medical Technology
(Management, Finance, and	Music Education
Marketing)	Physical Education
Chemistry	Sports Medicine
Computer Information Systems	

For Graduate programs see pages 60-65 and/or the Graduate Catalog.

Bachelor's Degree Requirements

Elon College offers an academic program consisting of a minimum of 126 semester hours of credit for the bachelor's degree. The degree consists of a major field of concentration in the liberal arts or in a professional or preprofessional area, a general studies program, and elective courses. To earn a baccalaureate degree the student completes the academic program below:

1. Satisfactory work in one major subject.

2. Completion of General Studies as follows:

- a. Foundational Studies.....9
- (1) English 111, 112 (Freshman English Composition) 3... 3... 6
 - (2) Mathematics 111 (or higher).....3.....3
- b. Liberal Studies.....31
- (1) Expression.....6
Eloquent and creative expression in literature and fine arts. Six hours chosen from art, dance, English, fine arts, music, theatre, at least three hours of which must be English.
 - (2) Science (Analysis).....7
Rational processes of testing hypotheses and arriving at precise answers, using established and experimental data. One physical or biological laboratory science and three hours chosen from either mathematics or science.
 - (3) Reflection.....6
Ultimate questionings through rational inquiry and beyond to faith, contemplation and insight. Six hours chosen from religion and/or philosophy, at least three hours of which must be religion.
 - (4) Civilization.....6
Historical and cultural context beyond the present day. Six hours chosen from history and/or from one foreign language.
 - (5) Society.....6
Studies social institutions, culture, personality, and the environment as these order human relationships. Six hours chosen from two of the following: economics, geography, political science, psychology and sociology.
- c. Advanced Studies.....12
In addition to the above requirements, students will complete twelve hours of junior-senior level courses outside the major field chosen from at least three of the five areas listed under Liberal Studies. It is strongly recommended that one of these courses be a General Studies Seminar which integrates two or more disciplines.
- d. Physical Education 160.....2

3. Electives

4. Satisfactory completion of a comprehensive evaluation in the major field of study.
5. A minimum of 36 semester hours of junior-senior level work.
6. One full academic year of study at Elon (32 semester hours or more), including the last term before graduation.

7. Twice as many quality points as credit hours attempted must be earned.
8. Participation in commencement exercises.

Every student is subject to General Studies basic competency assessments in his/her freshman and sophomore years as part of the ongoing evaluation of the General Studies requirements.

Students must demonstrate competence in English and mathematics or successfully complete English 100 and Mathematics 100 prior to beginning Foundational Studies. Foundational Studies should be completed by the end of the sophomore year.

Students who have not passed Algebra II should make up this deficiency by taking Mathematics 100 during the freshman year.

Students who have not had two years of one foreign language in high school must make up this deficiency by taking two semesters of one foreign language. (French 101 and 102 or Spanish 101 and 102.) Courses taken to remove this deficiency will not satisfy the general studies requirements.

A maximum of 15 semester hours of internship/cooperative education credit may be applied to the 126 semester hours required for the A.B. and B.S. degrees.

Students who have had one year of active duty in military service will receive credit for the Physical Education requirement by bringing a copy of their DD-214 Form to the Registrar's Office for verification.

Students must apply for graduation by the dates published by the Registrar.

A student has the privilege of graduating under the provisions of the catalog under which he enters, provided that he completes his course of study within five years. After the interval of five years his credits will be subject to review by the Dean of Academic Affairs.

Students who qualify for more than one major must select the primary major for which they will receive a Bachelor's degree. No student will be awarded two degrees at commencement.

It is the student's responsibility to be familiar with the preceding requirements for graduation.

The Major

A minimum grade point average of 2.00 in the requirements for the major is required for graduation. The student may elect to complete more than one major. No later than the beginning of the junior year each candidate for a bachelor's degree must select a major field. Requirements for each major are listed with the courses of instruction.

The Minor

A candidate for the bachelor's degree may elect a field (or fields) of minor concentration, consisting of at least 18 semester hours with a minimum grade point average of 2.00.

$$\begin{array}{r} 10 \\ 40 \end{array}$$

General Academic Regulations

Registration and Courses

Classification

Classifications are made at the beginning of the college year in September.

Freshman	1-26 semester hours completed
Sophomore	27-59 semester hours completed
Junior	60-92 semester hours completed
Senior	93 and above semester hours completed

$$\begin{array}{r} 60 \\ 35 \\ \hline 25 \end{array}$$

Course Load

Fifteen hours of college work per semester is considered the normal student load. Students who are on academic probation are limited to a maximum load of 13 semester hours in fall and spring semester.

During the one-month winter term, three hours of college work is the normal load for all students.

Maximum load for any one semester is as follows:

Fall and Spring Semesters	18 semester hours
Winter Term	4 semester hours
Summer Term	7 semester hours

Any exception to this policy is the responsibility of the Academic Dean's Office.

Course Registration

Students are expected to register for themselves on the designated days in September, January and February. Registration information is made available to all students. Registration includes academic advising, selection of courses and payment of fees. Before preregistration or registration, each student should consult with his or her academic advisor on course selection, General Studies requirements, major requirements and other degree requirements. However it is the responsibility of the student, not the academic advisor, to ensure that all College graduation requirements are met.

Registration is for an entire course, and a student who begins a course must continue it except in unusual circumstances. Unless the student and his/her advisor consider it essential a student should not change his/her schedule after registration.

Auditing Courses

Persons who wish to attend certain courses regularly without doing the assigned preparation or receiving credit may do so with the approval of the Registrar. The cost is \$110 for each course.

Changes in Class and Schedule

The College reserves the right to cancel or discontinue any course because

of small enrollment or for other reasons deemed necessary. In order to assure quality instruction, the College reserves the right to close registration when the maximum enrollment has been reached. The College reserves the right to make changes in schedule and/or faculty when necessary.

Credit by Examination (Course Challenge)

A student may receive credit for a course not taken by demonstrating mastery of its subject matter. To challenge a course, a student must have the approval of the Dean of Academic Affairs, the chair of the department in which the course is offered, and the professor who will test mastery of the subject matter. Whenever possible, the student should consult the professor far enough in advance of the term in which the examination will be taken to determine course requirements and standards and to begin to make independent preparations. However, the student should expect no assistance from the professor other than being informed of the material to be covered on the examination. Under no circumstances shall a student be allowed to attend classes of the course being challenged. The cost for each examination is \$150.

Dropping Courses

In the fall and spring semesters, no student may drop a course with a passing grade after the weekday before mid-semester reports are due (see calendar); however, a course dropped with official permission of the Registrar prior to the time mid-semester grades are due will be graded WP (passing at time of withdrawal) or WF (failing at the time of withdrawal). A course dropped without official permission of the Registrar is automatically graded WF. Any exception to this policy is the responsibility of the Academic Dean's Office.

A student who withdraws from the College receives grades of WD (medical withdrawal); or WP, WF depending on his grades at the time of withdrawal.

Independent Study

Students may engage in independent study of catalog courses, special topics, and research projects. Independent Study is limited to honor students, juniors and seniors. A course may not be repeated by Independent Study. Details concerning the procedure for developing an independent study proposal may be obtained in the Registrar's Office.

Overload

A student whose cumulative grade point average is less than 3.00 may not register for overload hours in any term. See previous page on course load.

Pass/Fail Elective Courses

A student may take two one-semester courses outside the major, minor

and general studies requirements on a pass/fail basis. The pass/fail option is provided to encourage students to enrich their educational experience in subjects outside their major/minor fields and general studies requirements in which they may feel unable to maintain a desirable grade-point average. The decision to take a course pass/fail must be made at registration prior to the first class period.

Repeat Courses

Courses repeated within four semesters of attendance (excluding winter and summer sessions) following the first enrollment in the course count only once in computing the cumulative grade point average. In such cases the most recent grade is counted rather than any previous grade(s) received. However, a course repeated more than once will count in the cumulative grade point average each time it is repeated.

Attendance

Class Attendance

Since students must attend classes regularly in order to derive maximum benefit from their courses, the College strictly and fairly enforces policies governing classes, and students are responsible for knowing attendance regulations. Each department establishes its own attendance policy. If unwarranted absences occur, the Dean of Academic Affairs may suspend the student from the class or from the College.

Absence From Tests and Examinations

Students who miss scheduled tests and examinations without excusable reasons may not make up such assignments. Authorization to make up tests missed for excusable reasons is obtained from the professor of the class. Authorization to make up final examinations missed for excusable reasons is obtained from the Office of the Dean of Academic Affairs.

Grades and Reports

Grading System and Quality Points

Graduation is dependent upon quality as well as upon quantity of work done.

A student earns quality points as well as semester hours if his level of performance does not fall below that of a "D."

Letter grades are used. They are interpreted in the table below, with the quality points for each hour of credit shown at right.

Grade	Quality Points
A Superior	4
B Above average	3
C Average	2
D Below average	1
F Failure	0
I Incomplete	0
P Passing (not counted in cumulative average)	0
S Satisfactory (not counted in cumulative average)	0
U Unsatisfactory (counted in cumulative average)	0
WD Medical Withdrawal	0
WF Failing at time of withdrawal (counted in cumulative average)	0
WP Passing at time of withdrawal	0
NR No Report	0

Grades of "A," "B," "C," "D," and "F" are permanent grades and may not be changed except in case of error. After an instructor has certified a grade to the Registrar, he may change it before the end of the next regular grading period. The change must be made in writing and have the written approval of the department chairman.

An "I" grade signifies incomplete work because of illness, emergency, extreme hardship, or self-paced courses. It is not given for a student missing the final examination unless excused by the Dean of Academic Affairs upon communication from the student. The student receiving a grade of "I" completes all work no later than nine class days after mid-semester grades are due in the following semester. A final grade is submitted to the Registrar by the instructor the following Monday. After this date, the "I" grade automatically changes to "F" unless an extension is granted by the Dean of Academic Affairs.

Grade Point Average (GPA)

The grade-point average is computed by dividing the total quality points on work attempted at Elon College by the number of hours attempted except for courses with grades of P, S, WD or WP.

Grade Reports

Students are graded at mid-semester as well as at the end of each semester. Mid-semester grades serve as progress reports and are not entered on students' permanent records.

Dean's List

The purpose of the Dean's List is to recognize and encourage excellence in academic work. A student who has no grade below a "B" and a grade point average of at least 3.40 in a minimum of 12 semester hours in any

semester is placed on the Dean's List for the following semester. Classes passed on a Pass/Fail basis or classes with grades of S, WD, or WP are not included in Dean's List eligibility.

Graduation With Honors

A student who has completed at least 66 credit hours at Elon College may be graduated with honors. Candidates for graduation with an average of 3.90 or above are graduated summa cum laude; those with 3.70 or above, magna cum laude; and those with 3.4 or above, cum laude. In computing eligibility for honors, only work attempted at Elon College will be used.

Elon College provides a comprehensive Honors Program for all students of all majors. Emphasis is placed on honors courses, special academic advising, preparation for graduate school and special activities. Students who participate in the College Honors Program, complete a minimum of six Honors experiences and receive the recommendation of the Honors Advisory Committee, will receive "Honors Program" recognition at graduation.

Student Access to Educational Records

Elon College complies with the Family Educational Rights and Privacy Act of 1974. This Act is designed to protect the privacy of educational records, to establish the right of students to inspect and review their educational records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with The Family Educational Rights and Privacy Act Office (FERPA) concerning alleged failures by the institution to comply with the Act.

Questions concerning the Family Educational Rights and Privacy Act may be referred to the Office of the Registrar.

Transcripts of Student Records

Requests for copies of a student's record should be made to the Office of the Registrar. All transcripts will reflect the student's complete academic record. No transcripts will be issued without the written authorization of the student. No transcript will be issued for a student who has a financial obligation to the College.

Work at Other Institutions

Students who plan to take courses at other institutions during summer sessions or by correspondence must have the prior written permission of the Registrar. After completion of such courses, the student presents an official transcript of his record to the Registrar. The maximum credit permitted for correspondence instruction is twelve semester hours.

Academic Standards and Withdrawal

Academic Standing

Academic standing is determined by the earned grade point average for any one semester of attendance and for cumulative work. A student whose

cumulative grade point average falls below 2.00 is reviewed by the Academic Standing Committee and placed on Academic Warning, Academic Probation or Academic Suspension.

Warning— Students are notified that their grade point average is below 2.00 and that they are expected to show significant improvement in their next semester or term.

Probation— Students are notified that their grade point average is below 2.00, that they are limited to a maximum load of 13 semester hours, and that unless there is significant academic progress, suspension will result.

Suspension— Students are separated from Elon College and one academic semester must elapse before they are eligible for readmission.

In order to continue at the College a student must earn a minimum grade point average each semester of 1.00 and at the end of spring semester have a cumulative grade point average as follows:

Freshman	1-26 sem. hrs. completed	1.60
Sophomore	27-59 sem. hrs. completed	1.60
Junior	60-92 sem. hrs. completed	1.80
Senior	93 sem. hrs. completed	2.00

Any student failing to meet these guidelines will be academically ineligible for the next semester and suspended from the College. During the suspension period (to include a Fall or Spring Semester) the student may apply for readmission and, if readmitted, will be placed on academic probation. A student who is suspended a second time for academic reasons is normally not readmitted to the College.

Dismissal

The College reserves the right to suspend or dismiss any student or students when it believes that such action is in the best interest of the institution and/or the student(s). This action will take place only after careful consideration with the student or students in question and all other parties with information pertinent to the matter at hand.

Withdrawal

If a student for any reason concludes that he/she must leave the College on a temporary or long term basis, he/she must confer with the Offices of the Dean of Student Affairs and the Dean of Academic Affairs to formalize plans. Faculty will be requested to report student progress in class at the time of withdrawal by indicating either a WP or WF grade. The official record of the student cannot be cleared until the withdrawal is complete.

Graduate Degree Requirements

Degrees and Major Fields

Master of Business Administration (M.B.A.)

Master of Education (M.Ed. in Elementary Grades and Middle Grades)

MASTER OF BUSINESS ADMINISTRATION (M.B.A.)

Elon College offers an opportunity for individuals to earn a Master of Business Administration (M.B.A.) degree while continuing their careers. All courses are taught in the evenings (fall, spring and summer). During fall and spring semesters, students may take from one to four courses.

Admissions Policy

The M.B.A. admissions policy is designed to select students who have demonstrated both academic ability and managerial promise. Each application is considered in the light of all completed academic work, the Graduate Management Admission Test score, evidence of leadership and motivation, work history, level of responsibility, and letters of recommendation.

Basic Requirements

1. Earned baccalaureate degree from an accredited college or university.
2. Strong undergraduate record.
3. Test score from GMAT taken within last five years.
4. Completed application, including three letters of reference.

M.B.A. Degree Requirements

1. Completion of prerequisite courses specified under Foundation Studies.
2. Overall minimum grade point average of 3.0 in graduate studies.
3. Completion of 36 graduate hours (12 courses) within six calendar years.
4. Completion of the last six semester hours at Elon College.
5. Application for graduation by the dates published by the Registrar.
6. Participation in Commencement exercises, except for those completing requirements during Summer School.

Program of Study

Foundation Studies in accounting, economics, statistics, or computer science may be necessary for some applicants. In such cases, the Director of the M.B.A. program will specify one or more undergraduate courses to become part of the student's Program of Study. These judgments are based upon an evaluation of transcripts and career experience; in no case, however, will more than four foundation courses be specified.

The **Core Curriculum** consists of the following six 500-level courses. The Core Curriculum is required of all M.B.A. students.

ECO 511	Advanced Statistical Analysis	3 semester hours
BA 512	Quantitative Decision Methods	3 semester hours
ECO 513	Managerial Economics	3 semester hours
ACC 514	Managerial Accounting	3 semester hours
BA 515	Financial Management	3 semester hours
BA 516	Marketing Management	3 semester hours

Electives consist of five 500-level courses that include:

BA 521	Organizational Behavior	3 semester hours
BA 522	Organizational Development and Theory	3 semester hours
BA 523	Business Communications	3 semester hours
BA 524	Operations Management	3 semester hours
BA 525	Management Information Systems	3 semester hours
BA 526	Business and Society	3 semester hours
BA 527	Legal Environment of Business	3 semester hours
BA 528	International Business	3 semester hours
BA 571	Special Topics	3 semester hours
BA 573	Advertising Strategy	3 semester hours
BA 575	Personnel Administration	3 semester hours
BA 578	Productivity Improvement	3 semester hours
BA 579	Marketing Research Methods	3 semester hours

A **Capstone** course in Business Policy, BA 565, is required to be taken near the end of the student's program.

Program Guidelines. The following three guidelines should be used in planning a Program of Study.

1. Any needed/required Foundation Studies courses and ECO 511, BA 512, ECO 513, ACC 514, BA 515 and BA 516 should be scheduled early in the program.
2. The latter stages of the Program of Study should be heavily weighted with electives.
3. The Business Policy course (BA 565) should culminate the program.

Course Load. Students may enroll in one to four courses in fall and spring semesters. Students who are employed full-time should not register for more than two courses at a time. At least two courses will be scheduled during the summer months. There will be no M.B.A. courses scheduled during the College's three-week Winter Term.

Students normally begin the program in September, but entry during spring semester or summer school is possible. While it is possible to complete the requirements in one and one-half years, most students will take two or three years.

Course Schedules. During the fall and spring semesters, 500-level classes will be scheduled during evening periods as follows:

Period One	5:30-7:20 p.m.	Monday and Thursday
Period Two	7:30-9:20 p.m.	Monday and Thursday
Period Three	5:30-9:10 p.m.	Tuesday
Period Four	5:30-9:10 p.m.	Wednesday

Courses in the core curriculum, and certain electives will meet twice a week in periods one or two. Other electives and the capstone course will meet once a week in periods three or four.

For an application and more information about the M.B.A. program, please contact the Elon College Office of Graduate Admissions.

MASTER OF EDUCATION (M.Ed.)

Elon College offers an opportunity for individuals to earn a Master of Education (M.Ed.) degree while continuing their careers. All courses are taught in the evenings (fall and spring) and in the daytime during summer school.

Admissions Policy

The M.Ed. admissions policy is designed to select students who have demonstrated both academic and teaching ability. Each application is considered in the light of all completed academic work, test scores from the Graduate Record Examination or the Miller Analogies Test, evidence of leadership and motivation, possession of a recognized teaching credential and letters of recommendation.

Basic Requirements

1. A bachelor's degree from a college or university accredited by the Southern Association of Colleges and Schools or a recognized regional accrediting association.
2. A 2.5 GPA overall for undergraduate work, or 3.0 GPA for the last 60 semester hours or 3.0 GPA in the major courses.
3. Official transcripts of all undergraduate and any graduate studies undertaken.
4. A recognized teaching certificate. (Candidates must have met undergraduate requirements for North Carolina Initial Certification or higher before being recommended for graduate certification.)
5. A satisfactory score on the general portion of the Graduate Record Examination or on the Miller Analogies Test taken within five years prior to application.
6. Three written references.
7. A written statement of educational and professional goals.

M.Ed. Degree Requirements

1. Completion of courses specified under program study.
2. Overall grade point average of 3.0 or higher.
3. Completion of 30 graduate hours (10 courses) within six calendar years.
4. Satisfactory performance on a written comprehensive examination.
5. Final six semester hours to be taken at Elon College.
6. Participation in commencement exercises, except for those completing requirements during Summer School.

Programs of Study for Elementary Grades and Middle Grades

All students are required to take the courses in the core curriculum. In addition to the core curriculum, students in the area of Elementary Education complete Education 521, 530, and select three courses from Education 520, 522, 540, 550, 571, 591, Math 521, 523, Science 560, 561, and 562. In addition to the core curriculum, students in the Middle Grades program are required to complete Education 525, 526, and three courses from the following subject areas in which the student has a concentration(s) for Middle Grades Certification: Mathematics 521, 522, 523, 571; Science 560, 561, 562, 571; Social Studies 531, 541, 546, 571; and Education 571; Communication Skills—Education 530, 540, 551, 571; or HPEL 511, 512, 516, 517, 571.

Core Curriculum—Elementary and Middle Grades

Education	511	Advanced Foundational Studies: Philosophical, Sociological and Historical Perspectives	3 sem. hrs.
Education	514	Clinical Supervision: Theory and Practice	3 sem. hrs.
Education	515	Educational Testing and Measurement	3 sem. hrs.
Education	516	Educational Research	3 sem. hrs.
Psychology	515	Adv. Psychological Theory in the Classroom	3 sem. hrs.

Additional Requirements**Elementary Education (K-6)**

Education	521	Survey of Elementary Curriculum: Development and Content	3 sem. hrs.
Education	530	Diagnosing and Remediating Reading Difficulties	3 sem. hrs.

Electives: Select three courses

Education	520	Investigation and Trends in the Teaching of Elementary School Science	3 sem. hrs.
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Education	522	Communication Skills in the Elementary School	3 sem. hrs.
Education	540	Literature for Children and Youth: Analysis and Application	3 sem. hrs.
Education	550	Meeting Special Learning Needs of Children	3 sem. hrs.
Education	571	Trends in Teaching Social Studies (K-9)	3 sem. hrs.
Education	591	Independent Study	3 sem. hrs.
Mathematics	521	Math Concepts for the Elem. & Middle Grades School Teacher	3 sem. hrs.
Mathematics	523	Computers in the Elementary and Middle Grades Classroom	3 sem. hrs.
Science	560	Advanced Physical Science for Elem. & Middle Grades Teachers	3 sem. hrs.
Science	561	Advanced Earth-Science for Elem. & Middle Grades Teachers	3 sem. hrs.
Science	562	Advanced Biological Science for Elem. & Middle Grades Teachers	3 sem. hrs.

Additional Requirements**Middle Grades Education (6-9)**

Education	525	Effective Middle Grades Teaching	3 sem. hrs.
Education	526	Preadolescent Development: Implications for Education	3 sem. hrs.

Select three courses from the subject areas listed below in which the student has a concentration(s) for Middle Grades certification:

Mathematics	521	Mathematical Concepts for the Elementary and Middle Grades School Teacher	3 sem. hrs.
Mathematics	522	Geometry for the Middle Grades School Teacher	3 sem. hrs.
Mathematics	523	Computers in the Elementary and Middle Grades Classroom	3 sem. hrs.
Mathematics	571	Seminar: Special Topics	3 sem. hrs.
Science	560	Advanced Physical Science for Elementary and Middle Grades Teachers	3 sem. hrs.
Science	561	Advanced Earth-Space Science for Elementary and Middle Grades Teachers	3 sem. hrs.
Science	562	Advanced Biological Science for Elementary and Middle Grades Teachers	3 sem. hrs.

Science	571	Seminar: Special Topics	3 sem. hrs.
Social Studies	531	Advanced Studies in American Government	3 sem. hrs.
Social Studies	541	Special Topics in Economics	3 sem. hrs.
Social Studies	546	North Carolina in the Nation	3 sem. hrs.
Social Studies	571	Seminar: Special Topics	3 sem. hrs.
Education	530	Diagnosing and Remediating Reading Difficulties	3 sem. hrs.
Education	540	Literature for Children and Youth; Analysis and Application	3 sem. hrs.
Education	551	Enhancing Oral and Written Communication	3 sem. hrs.
Education	571	Trends in Teaching Social Studies (K-9)	3 sem. hrs.
Education	591	Independent Study	3 sem. hrs.
HPEL	511	Physical Education Curriculum: Theory and Content	3 sem. hrs.
HPEL	512	Analysis of Teacher Behavior	3 sem. hrs.
HPEL	516	Administration of Physical Education and Athletics: Theory and Practice	3 sem. hrs.
HPEL	517	Research in Physical Education and Athletics	3 sem. hrs.
HPEL	571	Seminar: Current Issues in Physical Education and Athletics	3 sem. hrs.

Course Load. Students may enroll in a maximum of three courses during fall and spring semesters. Students who are employed full-time may not register for more than two courses each semester. Courses are also scheduled during the summer months.

Course Schedules. During the fall and spring semesters classes will be scheduled during the evening hours as follows:

Monday	5:30-8:30 p.m.
Tuesday	5:30-8:30 p.m.
Wednesday	5:30-8:30 p.m.

Summer School terms will be planned to accommodate working schedules of the public school teachers.

For an application and more information about the M.Ed. program, please contact the Elon College Office of Graduate Admissions.



Courses of Instruction

Courses of Instruction

The departments of instruction are organized into four general divisions. These include areas of learning arranged as follows:

Division of Humanities	Art, Communications, Dance, English, Fine Arts, French, Journalism, Communications, Music, Music Theatre, Philosophy, Religion, Spanish, Theatre Arts, Women's Studies
Division of Sciences and Mathematics	Biology, Chemistry, Computing Sciences, Mathematics, Medical Technology, and Physics
Division of Social Sciences	Accounting, Business Administration, Cooperative Education, Economics, Geography, History, Human Services, Political Science, Public Administration, and Sociology
Division of Education	Education, Health Education, Leisure/Sports Management, Military Science, Physical Education, Psychology, and Sports Medicine

Courses numbered 100-199 are on the freshman level, 200-299 on the sophomore level, and 300 and above on the junior-senior level.

ACCOUNTING / The Martha and Spencer Love School of Business

Dean of Love School of Business: Professor Tiemann

Chair, Department of Accounting: Associate Professor McGregor

Associate Professor: Brooks

Assistant Professors: Cox, Gibney, Caldwell

To major in Accounting a student must be admitted to the Love School of Business, generally after the sophomore year. Admission is required before 300-400 level Accounting courses can be taken. To be admitted, a student must:

- (1) attain junior status and satisfy college standards for continued enrollment;
- (2) complete the following courses with an average of 2.00 within this group of courses: Mathematics 121 or 165; Economics 201, 246; Accounting 201, 212; Information Systems 116. Note that Accounting majors must complete Accounting 212.

In addition to the admission requirements of the Love School of Business,

a major in Accounting requires Accounting 331, 332, 336, 341, 451, and 456; Business Administration 221, 323, 343, and 418; Economics 347.

A minor in Accounting requires Accounting 201, 202 or 212, 331, 336, and one additional Accounting course.

201. INTRODUCTION TO FINANCIAL ACCOUNTING

4 semester hours

Double-entry accounting with emphasis upon the conceptual framework of accounting; income statements and balance sheets; recording, analysis, and external reporting of financial data; financial accounting for proprietorships, partnerships, and corporations is introduced. Prerequisite: IS 116.

202. BASICS OF MANAGERIAL ACCOUNTING

2 semester hours

The utilization of accounting data for decision making within an organization. Cost-volume-profit; manufacturing costs, budgeting, standard cost, normal cost system-job order. Prerequisite: ACC 201. Credit will not be given for both ACC 202 and ACC 212.

212. INTRODUCTION TO MANAGERIAL ACCOUNTING

4 semester hours

An introduction to the preparation and utilization of financial data for internal management decision making. Cost-volume-profit analysis, relevant costs, budgeting, and the fundamentals of cost accounting are given emphasis. Credit will not be given for both ACC 202 and ACC 212. Primarily for accounting majors. Prerequisite: ACC 201.

331. INTERMEDIATE ACCOUNTING I

4 semester hours

A detailed treatment of the technical accounting considerations involved in the determination of income and financial position of business entities. The construction of the major financial statements is discussed, and accounting procedures and the working of accounting exercises are stressed. Prerequisite: Admission to Love School of Business. Fall semester only.

332. INTERMEDIATE ACCOUNTING II

4 semester hours

A continuation of the financial accounting considerations begun in ACC 331, with emphasis upon the liabilities and owners equity sections of the balance sheet; complex inventory valuation methods; and intangible assets. Prerequisite: ACC 331. Spring semester only.

336. COST ACCOUNTING

4 semester hours

The purposes, concepts, and procedures for generating production cost data. Concentration will be upon job order, process, and standard cost systems. Interpretation of the data in each system will be presented. Including direct costing and C—V—P analysis. Prerequisite: Admission to Love School of Business.

341. BASIC TAXATION

4 semester hours

An introduction to the basic structure of the federal tax system. Emphasis is placed upon the fundamental theories, procedures, and rationale of the individual income tax. Prerequisite: Admission to Love School of Business.

365. ACCOUNTING APPLICATIONS

3 semester hours

Applications of Accounting to various business functions. The topics will vary from year to year. Prerequisite: Admission to the Love School of Business. Winter Term only.

442. ADVANCED TAXATION

3 semester hours

Advanced topics in federal taxation. Such topics as capital gains, tax-deferred transactions, the minimum tax, the investment credit, the taxation of corporations, and the estate and gift tax are given emphasis. Prerequisite: ACC 341. Spring semester only.

451. ADVANCED ACCOUNTING I

3 semester hours

Course builds upon the foundation of Intermediate Accounting I and II. Analyzes business combinations, consolidated financial statements, and governmental and nonprofit accounting. Prerequisite: ACC 332. Fall semester only.

456. AUDITING

4 semester hours

Auditing theory and practice, working papers, financial statements, and professional ethics. Emphasis on auditing standards, statistical compliance testing, and substantive testing. Pre-

requisite: ACC 332. Spring semester only.

471. SEMINAR: SPECIAL TOPICS

1-4 semester hours

Advanced study consisting of reading problems, reports, discussions of current topics, or CPA review. Participation by students, departmental faculty, and other resource persons.

481. INTERNSHIP IN ACCOUNTING

1-3 semester hours

491. INDEPENDENT STUDY

1-3 semester hours

ART

Chair, Department of Fine Arts: Professor Myers

Assistant Professor: Sanford, Kucharski

Part-time Instructors: J. Henricks

A minor in Studio Art requires 21 hours including Art 131, 221, 223, 232 and 491 (3 semester hours); six semester hours selected from 230, 233, 234, 235, 330, 333, 334, 335 or 491.

110. Introduction to Studio Art

3 semester hours

An introductory level class for students with little or no studio experience. This course does not count toward the minor in Art.

131. 2-D Design

3 semester hours

A basic course in the fundamentals of design with emphasis on two-dimensional media. 1 hour of lecture and 5 studio hours. Material fee: \$15.00.

221. History of Art: Pre-History Through Middle Ages

3 semester hours

Historical survey of the major visual arts from the era of pre-history through the middle ages. Emphasis is on major artistic styles, their origin and development; major works of art and their creators.

223. History of Art: Renaissance to the present

3 semester hours

Historical survey of the major visual arts from the Renaissance to the present. Emphasis on major artistic styles, their origin and development, major works of art and their creators.

*** 230. Ceramics I**

3 semester hours

Techniques of working with clay in the production and firing of pottery. Experience in hand-building and throwing pieces on the potter's wheel. 1 hour of lecture and 5 studio hours. Materials Fee: \$15.00.

231. 3-D Design

3 semester hours

A continued study of the fundamentals of design with emphasis on three-dimensional media. 1 hour of lecture and 5 studio hours. Materials fee: \$15.00.

232. Drawing

3 semester hours

Basic course in the fundamentals of drawing and composition using various media. 1 hour of lecture and 5 studio hours. Materials fee: \$15.00.

233. Painting I

3 semester hours

Experimental studies in the techniques of painting and composition using various media. Prerequisite 131 or 232. Materials fee: \$15.00.

234. Watercolor I

3 semester hours

Experimental studies in the various techniques of painting with watercolor. 1 hour of lecture and 5 studio hours. Prerequisite: Art 131 or 232. Materials fee: \$15.00

235. Graphics I

3 semester hours

The development of creative ability and technical skill in the graphic media of linoprint, woodcut and intaglio. Prerequisite: Art 131. 1 hour of lecture and 5 studio hours. Materials fee: \$15.00.

237. Photography**3 semester hours**

The course covers the basic operation of the camera and the dark room as well as the aesthetic consideration of photography as a fine art. A lab is attached to the course. Students must have a 35 mm camera. Lab fee of \$30.

320. Studies in Art History**3 semester hours**

A topically oriented class which covers in depth a particular period, style, or theme in the history of art.

330. Ceramics II**3 semester hours**

A continuation of 230, which is a prerequisite. Materials fee: \$15.00.

333. Painting II**3 semester hours**

A continuation of Art 233, which is a prerequisite. 1 hour of lecture and 5 studio hours. Materials fee: \$15.00.

334. Watercolor II**3 semester hours**

A continuation of Art 234, which is a prerequisite. Materials fee: \$15.00.

335. Graphics II**3 semester hours**

A continuation of Art 235, which is a prerequisite. Materials fee: \$15.00.

368. Art in the Elementary School**2 semester hours**

This course provides the Elementary Education major with the methods and materials, principles, and fundamentals of visual arts in the Elementary classroom. This course cannot be counted toward the minor in Art. *Enrollment is limited to Elementary Education majors of at least junior standing.* Material fee: \$10.00.

481. Internship in Art**1-3 semester hours****491. Studio Problems****1-3 semester hours**

Individual study and experimentation. *Open only by the permission of Art faculty.* Maximum credit allowed toward a degree is 6 hours.

BIOLOGY

Chair, Department of Biology and Allied Health: Professor H. House
Professor: Rao

Associate Professors: N. Harris, Fields, Sissom

Assistant Professor: Gallucci

A Bachelor of Arts degree with a major in Biology requires Biology 111, 113, 221, 222, 322, 345, 452, 461, 462, and 8 additional semester hours of laboratory science classes in Biology above the 100 level; Physics 101, 107; Chemistry 111, 112, 113, 114, 321, 322, 323, and 324.

A Bachelor of Science degree with a major in Biology requires Biology 111, 113, 221, 222, 322, 345, 452, 461, 462, and 8 additional semester hours of laboratory science classes in Biology above the 100 level; Math 265; Physics 111, 112, 115, 116; Chemistry 111, 112, 113, 114, 321, 322, 323, and 324.

Students planning to teach in secondary school should refer to Science Education for requirements.

A minor in Biology requires Biology 111 and 113 plus five additional Biology courses above the 100 level.

111. BASIC CONCEPTS IN BIOLOGY**3 semester hours**

A concepts approach that integrates basic biological chemistry, bioenergetics, cell structure and function, reproduction, inheritance, evolution and ecology. Biology 113 should be taken concurrently to satisfy the 4 hour lab/science requirement.

113. LAB FOR BASIC CONCEPTS IN BIOLOGY**1 semester hour**

This course is designed to provide the lab experience for the lecture course Biology 111. Biology 111 should be taken concurrently to satisfy the 4 hour lab/science requirement.

121. BIOLOGICAL DIVERSITY**3 semester hours**

A basic study of the world around us as seen through biological diversity and a survey of plant and animal biology. This course will emphasize the importance of diversity to our existence and provide basic knowledge of the structure and function of plants and animals as well as interactions between them and human existence.

161. HUMAN ANATOMY**4 semester hours**

A study of the human anatomy with emphasis in the areas of skeleton, muscle, nerves, endocrine, heart, blood, respiration, digestive, and urinary aspects. 3 class hours, 1 laboratory per week.

162. HUMAN PHYSIOLOGY**4 semester hours**

A study of human physiology with emphasis in the areas of skeleton, muscle, nerves, endocrine, heart, blood, respiration, digestion and urinary aspects. 3 class hours, 1 laboratory per week.

181. BIOLOGY LAB TECHNIQUES**2 semester hours**

A training course for prospective lab assistants. Skills taught include lab procedures, materials preparation and grading procedures.

221. GENERAL ZOOLOGY**4 semester hours**

A survey of the animal kingdom with emphasis on selected vertebrates and invertebrates, including basic concepts of morphology, anatomy, physiology and taxonomy. 3 class hours, 1 laboratory per week. Prerequisite: BIO 111.

222. GENERAL BOTANY**4 semester hours**

A survey of the plant kingdom with emphasis on vascular plants. Topics covered are general morphology, anatomy, physiology of metabolism and growth, economic importance, and identification. 3 class hours, 1 laboratory per week. Prerequisite: BIO 111.

301. ENVIRONMENTAL CONSERVATION**3 semester hours**

An interdisciplinary study of the interrelationships of man and the environment. Social, economic, ethical and political aspects of man's impact on environment are studied. Prerequisite: A previous lab science course. No credit toward the biology major.

311. COMPARATIVE VERTEBRATE EMBRYOLOGY**4 semester hours**

The developmental process with emphasis on gametogenesis, differentiation, organogenesis, and morphogenic patterns of development as it occurs in the frog, chick, and a mammal. 3 class hours, 1 laboratory per week. Prerequisite: BIO 221. Offered alternate years.

312. COMPARATIVE VERTEBRATE ANATOMY**4 semester hours**

A comprehensive, comparative study of chordate anatomy with emphasis on evolution and morphology of systems. Lower chordates and vertebrates are used in dissection and study. 3 class hours, 1 laboratory per week. Prerequisite: BIO 221. Offered alternate years.

321. MICROBIOLOGY**4 semester hours**

A general survey of microorganisms with emphasis on bacteria, their cytophysiological characteristics and classification, viruses, microbial diseases and immunity, and the role of microorganisms in human affairs. 3 class hours, 1 laboratory per week. Prerequisites: BIO 111, 113 and CHM 111, 112.

322. CELL BIOLOGY**4 semester hours**

Structure of Prokaryotic and Eucaryotic Cells. Structure and function of subcellular components. Mechanisms of cellular reproduction, respiration, photosynthesis and protein synthesis are covered. Also discussed are cellular differentiation, growth and development, molecular genetics and general properties of viruses. 3 class hours and 1 laboratory per week. Prerequisites: BIO 111, 113 and CHM 321, 322.

325. HUMAN HISTOLOGY**4 semester hours**

A survey of the tissues of the human body with emphasis upon the cardiovascular, alimentary, respiratory, urinary and reproductive systems. Tissue identification and the relationship of microanatomy to physiology are stressed. 3 class hours, 1 laboratory per week. Prerequisites: BIO 111 and BIO 221. Offered alternate years.

335. FIELD BIOLOGY**4 semester hours**

A field-oriented course, restricted to selected taxa, environments, or biological phenomena as they exist in nature. In-depth field studies may include identification, classification, life histories and interrelationships of selected organisms. Offered during winter and/or summer terms.

341. ANIMAL PHYSIOLOGY**4 semester hours**

Emphasizes the functions, regulatory processes and responses occurring in the organ systems of the animal body. 3 class hours, 1 laboratory per week. Prerequisites: BIO 221, CHM 111, 112. Offered alternate years.

342. PLANT PHYSIOLOGY**4 semester hours**

A study of the life processes of plants. Topics include photosynthesis, mineral nutrients, movement of materials, plant growth substances, and senescence. 3 class hours, 1 laboratory per week. Prerequisites: BIO 222, CHM 111.

345. GENETICS**4 semester hours**

An introduction to the Mendelian and molecular principles of genetics and the applications of these principles to the modern world. 3 class hours, 1 laboratory per week. Prerequisites: BIO 111, 221 or 222, CHM 111, 112 or permission of instructor.

391. RESEARCH**1 or 2 semester hours**

Library and laboratory or field research by the individual student under the direction of the departmental faculty. Open to students at all levels. Maximum total credit, 8 semester hours. Prerequisite: permission of the Biology staff.

425. BIOCHEMISTRY**3 semester hours**

A survey of biochemistry as it relates to the physiology of organisms. Topics include: biochemical methodology; pH buffers and water; protein structure, function and synthesis; enzymes; bioenergetics; anabolism and catabolism of carbohydrates and lipids; metabolic regulation. Prerequisites: BIO 221 or 222, CHM 321-324 or permission of instructor. Offered alternate Fall Terms. (BIO 425 is the same as CHM 425.)

426. LAB FOR BIOCHEMISTRY**1 semester hour**

Designed to provide students with laboratory experience in bioassay procedures, methods for separating, isolating, and identifying lipids, fatty acids, amino acids, simple and complex proteins. 3 laboratory hours. Corequisite: BIO 425.

452. GENERAL ECOLOGY**4 semester hours**

A study of the interrelationships of organisms with their biotic and abiotic environments. Ecological principles at the population, community and ecosystem levels are discussed. 3 lecture hours, 1 laboratory hour per week. Prerequisites: BIO 221, 222 and Junior standing.

461. SEMINAR I**2 semester hours**

Instruction and experience in extensive literature search and formal oral presentation of current information concerning a specific biological topic of interest. Restricted to junior and senior biology majors or by permission of the instructor. Offered each spring.

462. SEMINAR II**1 semester hour**

A capstone biology experience to be met by one of the following options: (1) a course in which students integrate experience with published research to lead a discussion of a biological topic. (2) A research project with a biology faculty member. (3) An internship or Co-op experience. All options include a formal paper and presentation. Offered each fall.

481. INTERNSHIP IN BIOLOGY**1-3 semester hours**

BUSINESS ADMINISTRATION / The Martha and Spencer Love School of Business

Dean of Love School of Business: Professor Tiemann

Professor: Weavil

Associate Professors: Baxter, McClellan, Mitchell, Behrman

Assistant Professors: O'Mara, Peterson, Synn

Instructors: Eastman, Helmstetler

To major in Business Administration a student must be admitted to the Love School of Business, generally after the sophomore year. Admission is required before most 300-400 level Business Administration courses or Economics 301 can be taken. To be admitted, a student must:

- (1) attain junior status and satisfy college standards for continued enrollment;
- (2) complete the following courses with an average of 2.00 within this group of courses: Mathematics 165 or 121; Economics 201, 246; Accounting 201 and either 202 or 212; Information Systems 116.

In addition to the admission requirements for admission to the Love School of Business, a major in Business Administration requires Business Administration 221, 311, 323, 343, 360, and 465; Economics 301; completion of one of the following areas of concentration: Finance—Business Administration 413, 421; Marketing—two courses from Business Administration 414, 415, 417; Management—two courses from Business Administration 424, 425, 426; and one course from Accounting 365, Business Administration 365, 366, and Economics 365, 366.

A minor in Business Administration requires Business Administration 311; 303 or 321; Accounting 201 and either 202 or 212; Economics 201.

The College offers a *Master of Business Administration* program which requires 36 semester hours of graduate work. Students are encouraged to apply regardless of undergraduate major. For requirements and policies please refer to pages 60-62 or the Graduate Catalog.

221. BUSINESS LAW

2 semester hours

An introduction to the law as it applies to businesses. The law and the courts; administrative agencies; contracts; personal property; commercial paper; agency; employment; partnerships; corporations.

302. BUSINESS COMMUNICATIONS

3 semester hours

Study of the theory and principles of good oral and written communications. Provides instruction and practice in writing business reports, letters, and memoranda.

303. INTRODUCTION TO MANAGING

3 semester hours

Examination of universal business processes applied by all organizations including not-for-profit and government. These include: goal setting, planning, decision making, motivation, human resource management, control. Credit will not be given for both BA 303 and BA 323.

311. PRINCIPLES OF MARKETING

4 semester hours

The forces involved in the flow of goods from the point of production to the point of consumption, and the channels of distribution. The interest of the consumer; the marketing function; commodity, agricultural and industrial marketing; merchandising considerations; price policies; and governmental regulation of competition. Prerequisite: ECO 201.

323. PRINCIPLES OF MANAGEMENT

4 semester hours

An introduction to the precepts expounded by the classical, the scientific and the behavioral management approaches, with particular emphasis on organization and qualitative decision theory. Credit will not be given for both BA 303 and BA 323. Prerequisite: Admission to the Love School of Business.

341. FINANCIAL INTERMEDIARIES**4 semester hours**

A study of the major types of financial institutions, with emphasis placed upon asset and liability structure and management. In addition to banks and savings and loan associations, intermediaries such as brokerage firms, mortgage banking companies, pension plans, and casualty insurance companies are studied. Prerequisite: Admission to the Love School of Business.

343. MANAGERIAL FINANCE**4 semester hours**

A study of corporate managerial functions from the finance perspective. The course surveys the principal elements of modern financial management. These include: Financial Analysis and Control; Working Capital Administration; Capital Budgeting; Valuation Theory; Capital Structure and Leverage; and Debt and Equity Instruments. Prerequisite: Admission to the Love School of Business.

351. FUNDAMENTALS OF REAL ESTATE**4 semester hours**

A survey of contemporary practices, issues, and analyses from several disciplines—economics, finance, marketing, and law—as they relate to the use of land and buildings. Prerequisites: ACC 201; ECO 201, or permission of instructor.

360. PRINCIPLES OF DECISION SCIENCE**4 semester hours**

The application of quantitative methods to business decision making, especially production and operations decisions. Prerequisite: Admission to the Love School of Business or senior standing in Computer Information Systems.

365. BUSINESS ADMINISTRATION APPLICATIONS**3 semester hours**

Applications of business administration in various business functions. Topics will vary from year to year. Prerequisite: Admission to the Love School of Business. Offered during the day during Winter Term only. Offered in the evening in alternate years.

366. FIELD EXPERIENCE IN BUSINESS**3 semester hours**

Travel course. Visits to diverse businesses, domestically or abroad. Analysis of the businesses visited. Prerequisite: Admission to the Love School of Business. Winter Term only.

413. ADVANCED MANAGERIAL FINANCE**4 semester hours**

An in-depth study of financial management from the perspective of valutive theory. The topics of security evaluation and capital budgeting are discussed within the framework of the Capital Asset Pricing Model. Cost of capital, capital structure, and leverage are related to valuation concepts; and long-term financing includes studies of leasing as well as warrants, convertibles, and options. Valuation impacts of mergers and reorganizations are included. Prerequisite: BA 343. Spring semester only.

414. MARKETING RESEARCH**4 semester hours**

An application of research methods to the marketing functions. Emphasis is placed upon gathering and analyzing market data, and the relationship of findings to the decision-making process of the firm. Prerequisites: Admission to the Love School of Business and BA 311. Fall semester only.

415. ADVERTISING**4 semester hours**

The organization and functions of advertising. Topics include economic and social aspects, planning the campaign, creating the message, media, and measuring the effectiveness of advertising. Prerequisite: BA 311.

416. FUNDAMENTALS OF INSURANCE**3 semester hours**

The basic principles underlying insurance contracts and the scope of coverage under the several divisions of insurance including life, fire, casualty, marine, bond and automobile insurance.

417. MARKETING CHANNELS**4 semester hours**

An in-depth analysis of the structures and functions of the middleman. Emphasizing channel management, performance and strategy, the course explores the relationships, problems and developing interfaces between manufacturers, wholesalers and retailers. Prerequisites: Admission to the Love School of Business and BA 311. Spring semester only.

418. COMMERCIAL LAW**4 semester hours**

A technical study of the American legal system. Principal topics are the Uniform Commercial Code provisions governing contracts, sales, and commercial paper; creditors rights; and the law of wills and trusts. For accounting majors only. Prerequisite: BA 221.

421. INVESTMENT PRINCIPLES**4 semester hours**

Designed to enable investors to manage a fund according to a predetermined objective. Emphasis on the factors of safety, income, and marketability; diversification and vigilance; and the bases of analysis of company management and industry trends to determine the present and prospective values of securities. Prerequisite: BA 343. Fall semester only.

422. BUSINESS AND SOCIETY**4 semester hours**

Relationship of the organization to its social and legal environment; interaction of firms, customers, and agencies of the federal, state and local governments; environmental effects on individuals and the general economy; the firm as a citizen.

424. OPERATIONS RESEARCH**4 semester hours**

The application of the scientific method and quantitative techniques to the analysis and solution of managerial decision problems. Focus is on systems approach with reliance on mathematical models and methods and knowledge from several disciplines. Prerequisite: Admission to the Love School of Business and BA 323; or senior standing in Computer Science or Computer Information Systems.

425. PERSONNEL ADMINISTRATION**4 semester hours**

A study of the basic personnel practices, objectives, functions and organization of personnel programs. Topics include job evaluation, selection and placement, testing, promotion, compensation, training, safety and health, and employee relationships. Prerequisite: BA 303 or BA 323.

426. PRODUCTION AND OPERATIONS MANAGEMENT**4 semester hours**

Principles of management applied to production systems. Main emphasis is given to production capacity planning; job design; standards and work measurement; scheduling; quality control; and inventory management. Prerequisite: BA 424. Spring semester only.

445. SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT**4 semester hours**

Application of analytical tools and techniques used in appraising the national economy as well as specific industries and companies. Emphasis is on securities markets as viewed by managers of institutional portfolios or individuals managing a personal portfolio. Prerequisite: BA 343.

465. BUSINESS POLICY**4 semester hours**

A business capstone course intended to integrate the student's background, experiences, and previous business core and major business curriculum through case studies and business decisions simulation exercises. Prerequisites: BA 311, 323, 343, 360, and senior status.

471. SEMINAR: SPECIAL TOPICS**1-4 semester hours**

Advanced study consisting of readings, and discussion of special topics. Participation by students, faculty, and other resource persons.

481. INTERNSHIP IN BUSINESS ADMINISTRATION**1-3 semester hours****491. INDEPENDENT STUDY****1-4 semester hours**

CHEMISTRY

Chair, Department of Chemistry: Professor E. Grimley

Professor: Danieleley

Associate Professor: Agnew

Assistant Professors: Gooch, Wright, J. Grimley

A major in Chemistry resulting in the A.B. degree requires Chemistry 111, 112, 113, 114, 221, 222, 321, 322, 323, 324, 411, 421, 471 (1 semester hour); Mathematics 121; Physics 111, 112, 115, 116 (or Physics 113, 114, 115, 116); and Computing Sciences 130.

A major in Chemistry resulting in the B.S. degree requires Chemistry 391 (5 semester hours), 412 and 492 (1 semester hour), in addition to the requirements for the A.B. degree described in the preceding paragraph.

101. BASIC CONCEPTS IN CHEMISTRY**3 semester hours**

A course designed to meet partially the general mathematics-science requirement of the College. Atomic structure, radiochemistry, chemical changes, descriptive chemistry, chemistry of selected elements, introduction to organic chemistry, home and environmental chemistry. 3 class hours. No credit given to students having prior credit for Chemistry 111. No credit toward the Chemistry major or minor.

102. LAB FOR BASIC CONCEPTS IN CHEMISTRY**1 semester hour**

This course provides the lab experience for and is to be taken concurrently with Chemistry 101. 2 laboratory hours. No credit toward the Chemistry major or minor.

103. BASIC CONCEPTS IN GEOLOGY**3 semester hours**

A topics approach which includes the nature and origin of rocks and minerals; origins of mountains; soil development, evolution of the landscape. 3 class hours. No credit toward the Chemistry major or minor.

104. LAB FOR BASIC CONCEPTS IN GEOLOGY**1 semester hour**

This course provides the lab experience for and is to be taken concurrently with Chemistry 103. 2 laboratory hours. No credit given toward the Chemistry major or minor.

110. INTRODUCTION TO CHEMISTRY**3 semester hours**

Designed to provide the basic knowledge and skills which the student will need in Chemistry 111, 112. Recommended for students with little or no high school preparation in chemistry or meager background in mathematics. No credit given to students having prior credit for Chemistry 101 or 111. No credit toward Chemistry major or minor.

111, 112. GENERAL CHEMISTRY I AND II**3 semester hours each semester**

Fundamental principles of inorganic, physical, and experimental chemistry. Atomic structure as it is related to the classification of the elements and the nature of their compounds. The more common elements and compounds are considered, and organic chemistry is studied briefly. Prerequisite to higher level courses in chemistry.

113, 114. LABS FOR GENERAL CHEMISTRY I AND II**1 semester hour each semester**

These courses provide the lab experiences for the respective lecture courses, Chemistry 111, 112. 3 laboratory hours. To be taken concurrently with 111, 112.

221. QUANTITATIVE ANALYSIS**4 semester hours**

Theory and techniques of volumetric and gravimetric procedures. 2 class hours, 6 laboratory hours. Prerequisites: CHM 111, 112, 113, 114.

222. INORGANIC CHEMISTRY**4 semester hours**

A study of the elements and their compounds based on atomic structure and periodicity. Chemical bonding as it relates to molecular structure and chemical reactivity. Aqueous and nonaqueous solvent systems, acid-base theories, and the chemistry of complexes. 3 class hours, 3 laboratory hours. Prerequisites: CHM 111, 112, 113, 114.

301. PHYSICAL SCIENCE AND SOCIETY**3 semester hours**

Case studies from the physical sciences emphasizing a rational approach to the solution of societal problems using the experimental approach. No prerequisites.

321. ORGANIC CHEMISTRY I**3 semester hours**

A detailed study of the chemistry of hydrocarbons. Topics include nomenclature, the relation of structure to physical/chemical properties, mechanism of chemical reactions, stereochemistry, conformational analysis, synthesis and characteristic reactions of several classes of compounds. 3 class hours. Prerequisite: CHM 111-114; corequisite: CHM 323.

322. ORGANIC CHEMISTRY II**3 semester hours**

A continuation of CHM 321, with emphasis on the chemistry of compounds containing oxygen or nitrogen, and an introduction to the chemistry of lipids, carbohydrates and proteins. 3 class hours. Prerequisite: CHM 321; corequisite: CHM 324.

323. ORGANIC CHEMISTRY LAB I**1 semester hour**

Laboratory work to complement CHM 321. Methods include determination of physical

properties, crystallization, distillation, chromatography, structure identification and synthesis of organic compounds. 3 laboratory hours.

324. ORGANIC CHEMISTRY LAB II

1 semester hour

Laboratory work to complement CHM 322. Advanced synthetic methods, synthesis using air-sensitive compounds, qualitative organic analysis. 3 laboratory hours. Prerequisite: CHM 323.

391. RESEARCH

1-3 semester hours

Experimental and/or theoretical research by individual students under the supervision of the department faculty. Maximum total credit, 8 semester hours. Prerequisite: Permission of the Chemistry faculty.

411. PHYSICAL CHEMISTRY I

4 semester hours

Topics in thermodynamics, kinetics, colligative properties of solutions, and colloids. 3 class hours, 3 laboratory hours. Prerequisites: CHM 111, 112, 113, 114, Physics Requirements, MTH 121.

412. PHYSICAL CHEMISTRY II

3 semester hours

An introduction to quantum mechanical concepts of fundamental importance to all of chemistry, group theory and symmetry of properties of molecules, and an introduction to molecular spectroscopy. 3 class hours. Prerequisite: CHM 411 or consent of instructor.

421. INSTRUMENTAL ANALYSIS

4 semester hours

Theory and practice of advanced analytical techniques with emphasis on instrumental methods of analysis. 3 class hours, 3 laboratory hours. Prerequisites: CHM 111, 112, 113, 114.

425. BIOCHEMISTRY

3 semester hours

A survey of biochemistry as it relates to the physiology of organisms. Topics include: biochemical methodology; pH buffers and water; protein structure, function and synthesis; enzymes; bioenergetics; anabolism and catabolism of carbohydrates and lipids; metabolic regulation. Prerequisites: BIO 221 or 222, CHM 321-324, or permission of instructor. Offered alternate Fall Terms. (CHM 425 is the same as BIO 425.)

426. LAB FOR BIOCHEMISTRY

1 semester hour

Designed to provide students with laboratory experience in bioassay procedures, methods for separating, isolating, and identifying lipids, fatty acids, amino acids, simple and complex proteins. 3 laboratory hours. Prerequisite or Co-requisite: CHM 425.

461. SPECIAL TOPICS

1-3 semester hours

Advanced topics to meet the needs and interests of the students. Possible topics include: Computers in Chemistry; Qualitative Organic Analysis; and Analytical Separations. Admission by permission of the department.

471. SEMINAR

1 semester hour

Oral presentation and discussion of topics from the current literature of chemistry by students, staff, and visiting scientists. Instruction and practice in writing and in the use of the literature of chemistry. 1 class hour. Prerequisite: CHM 111, 112, 113, 114.

481. INTERNSHIP IN CHEMISTRY

1-3 semester hours

Work experience at an advanced level in chemical field. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: Permission of chemistry staff.

492. SENIOR THESIS

1 semester hour

This course is designed to focus on the formal writing process related to results of the experimental and/or theoretical research conducted in CHM 391. Emphasis will be placed on the style of scientific writing. Prerequisites: CHM 391 (3 semester hours).

COMMUNICATIONS

Chair, Department of Journalism and Communications: Assistant Professor Grady
Associate Professors: Rasmussen, Padgett

Assistant Professors: R. Johnson, Gibson, M. Johnson, Fulkerson

Instructors: Rudick, Hamm

Programs are offered in Journalism and in Communications. A student majoring in Communications must choose Broadcast Communications or Corporate Communications as an area of emphasis.

Journalism: Students will study in the areas of print and broadcast news. Emphasis will be placed on researching, reporting, writing, editing, and layout, and audio and video production.

Broadcast Communications: Students will acquire an understanding of radio, television and cable television operations. The program will prepare students in the electronic media as producers, directors, performers, and production personnel.

Corporate Communications: Students will study the internal and external communication of businesses. These studies will be pertinent to areas of public relations, advertising, and corporate communications.

To major in Journalism or Communications a student must be admitted to the Journalism and Communications Department, generally during the sophomore year. Admission is required before many Journalism and Communications courses can be taken. To be admitted, a student must: (1) complete a minimum of 42 semester hours, and (2) complete the following courses with a GPA within these courses of at least 2.2: ENG 111, ENG 112, JC 215, JC 225, and either JC 240 or JC 325.

A major in Journalism requires JC 215, 225, Art 237 or JC 240, JC 315, 325, 330, 365, 425, 465 and 495, plus 9 semester hours of JC courses at the 300-400 level and 6 semester hours of 300-400 level courses in any one discipline offering a major or minor except Journalism or Communications.

A major in Communications with an emphasis in Broadcast Communications requires JC 210 or 212, 215, 225, 240, 315, 335, 345 or 355, 360, 465, and 495, plus 9 semester hours of JC courses at the 300-400 level and 6 semester hours of 300-400 level courses in any one discipline offering a major or minor except Journalism or Communications.

A major in Communications with emphasis in Corporate Communications requires JC 210, 215, 225, 227, 233, 240, 315, 318, 325, 465 and 495. Additional requirements are Accounting 201, Business 303, and 6 semester hours of 300-400 level courses in Journalism/Communications and/or Business Administration.

A minor in Journalism/Communications requires JC 210, 215, 225, 240 or 325; plus 6 semester hours from the following courses: JC 315, 337, 360, 361, 362, 365, 381, 382, 383, 460, 462, 463, or 465. Not more than 3 semester hours may be internship credit.

101. PARLIAMENTARY PROCEDURE

1 semester hour

A study of the rules which govern the proceedings of the deliberative assemblies, correlated with practice in the use of these rules. Emphasis on the practical application of parliamentary procedure in the conduct of meetings.

210. PUBLIC SPEAKING**3 semester hours**

The fundamentals of public speaking: principles in oral and nonverbal communications, actual practice in delivery of ideas, organization, supporting evidence, attention to diction, analysis of varied public presentations.

212. BROADCAST PERFORMANCE**3 semester hours**

This course is designed to help students become more effective communicators and performers in electronic media. Emphasis will be given to the communication of ideas on radio and television. The course will stress vocal and visual presentation, voice and diction, pronunciation, appearance, gestures, and movement. Prerequisite: Admission to the Journalism/Communication Department.

215. SURVEY OF COMMUNICATIONS**3 semester hours**

This course is an introduction to the communication process and mass communications media. It will survey the history of newspapers, magazines, books, films, radio, television and cable, as applicable in public and corporate communications. Special emphasis will be given to the function and operation of contemporary mass media. Prerequisites: ENG 111 or ENG 112.

225. REPORTING AND NEWSWRITING**4 semester hours**

A study of the basic types of news articles for the mass media, intended to enable students to gather information and report it in standard journalistic style. Special attention is given to writing leads, interviewing techniques and editing copy. Word processing ability necessary. Prerequisite: JC 215.

227. CORPORATE PUBLISHING**3 semester hours**

An introduction to the basic design and layout of corporate and institutional newsletters, magazines, newspapers and other materials. The application of desktop publishing and presentational software will be discussed. There is a lab fee of \$30.

233. PRINCIPLES OF PUBLIC RELATIONS**3 semester hours**

An introductory level course in public relations. It covers basic public relations objectives and problems. Emphasis is placed on the use of effective tools plus the use of media to reach various publics. Prerequisite: Admission to Journalism/Communications Department.

240. AUDIO/VIDEO PRODUCTION**4 semester hours**

An introduction to the basic principles, techniques and technologies of audio and video production. Students will learn to utilize the basic tools of audio and video through news and production assignments. Prerequisite: JC 215.

251. COMMUNICATIONS STUDIES ABROAD**3 semester hours****315. MEDIA AND SOCIETY****3 semester hours**

A study of the role of mass communications media in society. The course will examine the structure, function and interaction of mass media. Consideration will be given to media constraints and effects on society.

318. ORGANIZATIONAL COMMUNICATIONS**3 semester hours**

An introduction to process and patterns of communications within organizations. The course will cover techniques of information dissemination, and the application of various media and methods. Prerequisite: Admission to Journalism/Communications Department.

325. NEWS EDITING AND LAYOUT**4 semester hours**

Study and practice in design and makeup of the modern newspaper, including copy editing, headline writing, scaling and cropping of photographs, caption writing, page layout, and use of art and graphics. Prerequisite: JC 225.

326. FEATURE WRITING**3 semester hours**

A study of basic types of feature articles for newspapers and magazines. Emphasis is on applying techniques of fiction (narrative, characterization, dialogue, scenes) to nonfiction writing. Prerequisite: Admission to Journalism/Communications Department.

330. BROADCAST JOURNALISM**3 semester hours**

A critical approach to the gathering, reporting and production of radio and television news. Students discuss and evaluate news, commentary and sports features. Each student creates and produces documentary and feature programs. Prerequisite: JC 240 and admission to Journalism/Communications Department.

335. WRITING FOR ELECTRONIC MEDIA**3 semester hours**

A general course designed to acquaint students with the style, forms and content approaches used in writing for radio and television and other audio/visual presentations. Prerequisite: Admission to Journalism/Communications Department.

337. THE DOCUMENTARY**3 semester hours**

A survey course that will trace the origins of the documentary, subsequent developments, and its current status.

345. ADVANCED AUDIO PRODUCTION**4 semester hours**

An advanced study of radio production techniques, including editing, music and sound effects, signal processing and multi-channel production. Course work includes announcing, commercial, news and documentary production. Prerequisite: JC 240 and admission to Journalism/Communications Department.

352. CORPORATE VIDEO PRODUCTION**4 semester hours**

This course is a study of how to research, write, rewrite, and produce video productions for internal and external corporate presentations. Emphasis will be placed on achieving the goals of the organization through the video medium by informing, persuading and entertaining. Studio and remote production equipment will be used in the production of projects. Prerequisite: Admission to Journalism/Communications Department.

355. ADVANCED VIDEO PRODUCTION**4 semester hours**

An advanced study of video production techniques for use in television broadcasting and other video media. The course will concentrate on electronic field production with emphasis on the aesthetics of teleproduction. Students will research, write and produce public service announcements and commercials for local clients. Prerequisite: JC 240.

360. HISTORY OF BROADCASTING**3 semester hours**

The purpose of this course is to help students develop an appreciation and understanding of the history of radio and television broadcasting in the United States. Students should acquire an awareness of the evolution of equipment, programming and government regulation of broadcasting. An emphasis will be placed on important personalities and their contributions.

361. DEVELOPMENT OF THE CINEMA**3 semester hours**

This course is designed to give students an appreciation of the historical development of film as an art form. Students will view significant films and study the contributions of important directors.

362. A STUDY OF FILMS**3 semester hours**

(Same course as ENG 362. See ENG 362 for description.)

365. HISTORY OF PRINT JOURNALISM**3 semester hours**

This course will help students develop an appreciation and understanding of the history of print journalism in the United States. The course will focus on the development of newspapers and magazines in the United States, with an emphasis on the contributions of outstanding writers, editors and publishers.

371. SEMINAR: SPECIAL TOPICS**1-3 semester hours**

Specialized topics or issues in Journalism and Mass Communication. Recent studies included Magazine Journalism, Propaganda and Mass Media, Rock Music and Mass Media.

380. MEDIA WORKSHOP**1 semester hour**

An on-campus practicum in aspects of radio or television production or broadcasting, newspaper publishing or public relations. Students must arrange a learning contract with the instructor at the beginning of each term. Students must have completed JC 325 or JC 240 as

appropriate, junior or senior status, and permission of instructor. Only 3 semester hours credit may be used toward the major.

381. JOURNALISM INTERNSHIP

3 semester hours

An off-campus work experience at an advanced level in some aspect of journalism. Offered on an individual basis when suitable opportunities can be arranged. Prerequisites: JC 105, 109 (junior or senior status, and permission of the instructor).

382. BROADCAST COMMUNICATIONS INTERNSHIP

3 semester hours

An off-campus work experience at an advanced level in some aspect of broadcasting. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: JC 140 (junior or senior status, and permission of instructor).

383. CORPORATE COMMUNICATIONS INTERNSHIP

3 semester hours

An off-campus work experience at an advanced level in some aspect of corporate communications. Offered on an individual basis when suitable opportunities can be arranged. Prerequisites: JC 140 or 305 (junior or senior status, and permission of the instructor).

425. ADVANCED REPORTING AND EDITING

3 semester hours

A study of sophisticated reporting techniques, including investigative reporting and the editor's role in covering the news of a community. The campus newspaper, *The Pendulum*, serves as a laboratory for this course. Prerequisites: JC 305 and Admission to Journalism/Communications Department.

426. EDITORIAL WRITING

3 semester hours

A study of types of editorials and opinion articles for newspapers and magazines. Attention is given to design and makeup of the editorial pages and to special opinion sections of a publication. Prerequisite: Admission to Journalism/Communications Department.

430. TV NEWS REPORTING

4 semester hours

An advanced study of electronic news gathering (ENG). Students will analyze current examples of news and public affairs programming. Students will research, write, edit and produce television news packages that will be assembled into television newscasts. Prerequisites: JC 130 and admission to Journalism/Communications Department.

455. REMOTE VIDEO PRODUCTION

4 semester hours

This course is for advanced students interested in the area of video production. Students will produce projects from the pre-production stages through post-production that will be shown over local cable TV. Prerequisite: Admission to Journalism/Communications Department.

460. INTERNATIONAL COMMUNICATIONS

3 semester hours

An examination of the media system of many countries, stressing the over problem of communication across cultural, economic, sociological and political barriers.

462. POLITICS IN MASS MEDIA

3 semester hours

This course examines the effects of mass media on the American political system. The evolution of media impact will be traced from print journalism through radio and television.

463. THE AUTEUR DIRECTOR

3 semester hours

The auteur theory proposes that the greatest movies are dominated by the personal vision of one person, the director. This course will examine the career of a specific director with emphasis on his or her auteur characteristics. Students will view selected films from the director's filmography and prepare a paper on a particular auteur characteristic. Prerequisite: JC 361.

465. LAW AND ETHICS OF MASS COMMUNICATION

3 semester hours

Law and ethics of print journalism and broadcasting with particular emphasis on libel laws, invasion of privacy, free press-fair trial, obscenity and pornography, censorship, federal regulations of broadcasting content.

490. RESEARCH METHODS

3 semester hours

This course presents the theoretical and methodological knowledge necessary to conduct mass communication research. Political polling, marketing research, and the reporting of research will be considered. Prerequisite: Admission to Journalism/Communications Department.

491. INDEPENDENT STUDY**1-3 semester hours****495. JOURNALISM/COMMUNICATIONS SENIOR SEMINAR****3 semester hours**

This is the capstone course for all majors in Journalism and Communications. The course will examine current issues and research in journalism, broadcast communications and corporate communications. Students will demonstrate competencies in areas (such as communication theory, history, and law) through projects and examinations. Prerequisite: Senior Journalism or Communications major. (Students entering school in 1991 must pass this course with a grade of C or better.)

COMPUTING SCIENCES

Chair, Department of Computing Sciences: Professor W. Hightower

Associate Professor: Carpenter

Assistant Professors: Plumblee, V. Hightower, Murphy

Computer Science Requirements (CS)

A major in Computer Science requires Computer Science 130, 135, 235, 326, 331, 341, 342, 351 and 9 semester hours of 300-400 level Computer Science (CS) courses (other than Computer Science 361 and Computer Science 481) at least 6 of which must be at the 400 level. Additional courses required are Mathematics 111 (or competency), Mathematics 112 (or competency), Mathematics 121, 221, 241, 311 and a probability and/or statistics course.

A minor in Computer Science requires Computer Science 130, 135, 235, 326 and 6 semester hours of 300-400 level Computer Science (CS) courses (other than Computer Science 361 and Computer Science 481).

130. COMPUTATIONAL PROGRAMMING**3 semester hours**

An introduction to programming and problem solving using a higher level computer language (Pascal). Emphasis on applications from disciplines which have a quantitative orientation. Prerequisite: Mathematics 111 (or its exemption). (CS 130 is the same as IS 130.)

135. PROGRAMMING AND ALGORITHM DEVELOPMENT**3 semester hours**

Algorithm development and analysis. Program correctness, recursion and elementary data structures. Emphasis on modularization and program structure using Pascal. Prerequisite: CS/IS 130. Co-requisite: Mathematics 241. (CS 135 is the same as IS 135.)

171. SPECIAL TOPICS**1-3 semester hours**

Study of microcomputers and specialized pieces of software. Software selection varies and is chosen from spreadsheets, database management and other introductory software packages. Prerequisite may be specified for certain software packages.

235. SOFTWARE METHODOLOGY**3 semester hours**

Data abstraction and information hiding. Object oriented design. Packages, generic program units, tasks and exception handling. The language Ada will be used. Prerequisite: CS/IS 135. (CS 235 is the same as IS 235.)

260. SPSS**2 semester hours**

Designed to assist students in preparing and executing data analysis using *The Statistical Package for the Social Sciences*. Prerequisites: 3 semester hours of statistics or permission of the instructor.

315. NUMERICAL ANALYSIS**3 semester hours**

An introduction to numerical analysis. Floating point arithmetic, interpolation, approximation, numerical integration and differentiation, nonlinear equations, and linear systems of equations. Prerequisites: CS/IS 135, MTH 311 and MTH 321 or permission of the instructor. (CS 315 is the same as MTH 315.)

321. COMPUTER GRAPHICS**3 semester hours**

Graphics hardware, packages and standards. Windows and clipping. Geometrical transformations. Removal of hidden edges and surfaces. Prerequisites: CS/IS 135 and MTH 311.

326. FILE PROCESSING**3 semester hours**

Concepts and techniques of structuring data on mass storage devices. Sort/merge/search algorithms for sequential and direct access files. Techniques for updating, deleting and inserting records. Prerequisite: CS/IS 235. (CS 326 is the same as IS 326.)

331. DATA STRUCTURES**3 semester hours**

Applications of and implementation of algorithms for common data structures. Efficient sort/merge/search algorithms. Dynamic storage allocation, garbage collection and compaction. Prerequisite: CS/IS 326.

336. DESIGN OF DATA BASE MANAGEMENT SYSTEMS**3 semester hours**

Introduction to data base concepts and design techniques. Network, relational and hierarchical data models. Normalized forms of data relations. Query facilities. Prerequisite: CS/IS 326. (CS 336 is the same as IS 336.)

341. ASSEMBLY LANGUAGE PROGRAMMING**3 semester hours**

Internal representation of data. Boolean algebra, computer arithmetic, and addressing techniques. Machine language and assembly programming. Subroutines, macros, and conditional assembly. Prerequisite: CS/IS 135.

342. COMPUTER ORGANIZATION**3 semester hours**

Architectural levels. Systems organization. Digital logic. Microprogramming. Machine level and instruction formats. Assembly, linking and loading. Architectural alternatives. Prerequisite: CS 341.

351. THEORY OF COMPUTATION**3 semester hours**

An introduction to theoretical computer science and further study of discrete mathematical structures which find applications in computer science. A selection will be made from the following topics: Predicate calculus, groups, coding theory, graphs, trees, formal languages, grammars, finite state automata, Turing machines, complexity theory. Prerequisites: MTH 241, 311, and CS/IS 135. (CS 351 is the same as MTH 351.)

361. COMPUTERS AND SOCIETY**3 semester hours**

History of computing and technology. Past, present and future. Impact of the computer on the individual and society. Legal and ethical issues confronting the computer user and the computer professional. Prerequisites: English 112 and 3 semester hours of Information Systems or Computer Science courses.

371. SPECIAL TOPICS**1-3 semester hours**

Extensive study of specialized pieces of software. Selection varies and is chosen from available database, spreadsheet, accounting and payroll packages and other current software. Prerequisite: CS 135 or permission of instructor.

421. INTRODUCTION TO ARTIFICIAL INTELLIGENCE**3 semester hours**

An introduction to basic concepts and techniques of artificial intelligence. Strategies for choosing representations, search strategies, communication and perception, and applications. Prerequisite: CS/IS 326.

435. ORGANIZATION OF PROGRAMMING LANGUAGES**3 semester hours**

An introduction to language definition, structure, data types and structures, control structures and data flow, run-time characteristics and lexical analysis and parsing. Programming assignments involve the use of several different languages. Prerequisite: CS 331.

441. INTRODUCTION TO OPERATING SYSTEMS AND COMPUTER ARCHITECTURE**3 semester hours**

The fundamental concepts of operating systems and their relationship to computer architecture. Concurrent programming, interrupt processing, memory management, and resource allocation. Prerequisite: CS 342.

451. COMPILER DESIGN AND IMPLEMENTATION**3 semester hours**

An introduction to the basic techniques of compiler design and implementation. Specification of syntax and semantics; lexical analysis; parsing; semantic processing. Prerequisites: CS 351, 435.

471. SEMINAR: SPECIAL TOPICS**1-3 semester hours**

Advanced study consisting of readings, reports, projects and discussions of contemporary problems and issues of computer science. Prerequisite: Permission of instructor.

481. INTERNSHIP IN COMPUTER SCIENCE**1-3 semester hours**

Work experience at an advanced level in some aspect of computer science. Offered on an individual basis when suitable opportunities can be arranged. Prerequisites: CS 331 and permission of instructor.

491. INDEPENDENT STUDY**1-3 semester hours****Computer Information Systems Requirements (IS)**

A major in Computer Information Systems requires Information Systems 116, 130, 135, 225, 235, 326, 330, 336, 461 and 6 semester hours of 300-400 level Computer Science (CS) and/or Computer Information Systems (IS) courses (other than Computer Science 361, Computer Science 481 and Computer Information Systems 481) at least 3 of which must be at the 400 level. Additional courses required are Accounting 201, 202 or 212, Economics 201 and 246, either English 313 or Business Administration 302, either Mathematics 121 or Mathematics 165, Mathematics 241 and one course from Business Administration 343, 360, 414, 424, 426, Economics 347.

A minor in Computer Information Systems requires Information Systems 116, 130, 135, 225 and 6 semester hours chosen from IS 235 and 300-400 level Computer Information Systems (IS) courses (other than Computer Information Systems 481).

116. MICROCOMPUTER APPLICATIONS**3 semester hours**

Microcomputer hardware and software applications from the perspective of the individual user as well as consideration of their integration into the organization as a whole. Includes work with word processors, spreadsheets, database management systems, graphics and accounting packages.

130. COMPUTATIONAL PROGRAMMING**3 semester hours**

An introduction to programming and problem solving using a higher level computer language (Pascal). Emphasis on applications from disciplines which have a quantitative orientation. Prerequisite: Mathematics 111 (or its exemption). (IS 130 is the same as CS 130.)

135. PROGRAMMING AND ALGORITHM DEVELOPMENT**3 semester hours**

Algorithm development and analysis. Program correctness, recursion and elementary data structures. Emphasis on modularization and program structure using Pascal. Prerequisite: CS/IS 130. Corequisite: Mathematics 241. (IS 135 is the same as CS 135.)

171. SPECIAL TOPICS**1-3 semester hours**

Study of microcomputers and specialized pieces of software. Software selection varies and is chosen from spreadsheets, database management and other introductory software packages. Prerequisite may be specified for certain software packages.

225. COBOL FROM AN ADVANCED PERSPECTIVE.**3 semester hours**

A thorough introduction to COBOL for programmers with a background in another higher level language. Prerequisite: CS/IS 135.

235. SOFTWARE METHODOLOGY**3 semester hours**

Data abstraction and information hiding. Object oriented design. Packages, generic program units, tasks and exception handling. The language Ada will be used. Prerequisite: CS/IS 135. (IS 235 is the same as CS 235.)

326. FILE PROCESSING**3 semester hours**

Concepts and techniques of structuring data on mass storage devices. Sort/merge/search algorithms for sequential and direct access files. Techniques for updating, deleting and inserting records. Prerequisite: CS/IS 235. (IS 326 is the same as CS 326.)

330. SYSTEMS ANALYSIS AND DESIGN**3 semester hours**

An in-depth study of standard techniques used for the analysis and design of information systems. Emphasis will be placed on effective written and oral communication. Prerequisite: IS 225 or CS/IS 235. Co-requisite: BA 302 or ENG 313.

336. DESIGN OF DATA BASE MANAGEMENT SYSTEMS**3 semester hours**

Introduction to data base concepts and design techniques. Network, relational and hierarchical data models. Normalized forms of data relations. Query facilities. Prerequisite: CS/IS 326. (IS 336 is the same as CS 336.)

454. DECISION SUPPORT AND EXPERT SYSTEMS**3 semester hours**

Utilization of high level software to support the decision-making process. Development of simulation models. Building, applying and modifying expert systems. Prerequisites: IS 116 and MTH 241 and either IS 225 or CS/IS 235.

457. DATA COMMUNICATION AND NETWORKS**3 semester hours**

Factors associated with the distribution of computer processing facilities. Functions and selection criteria for major components of data communications equipment. Prerequisite: IS 225 or CS/IS 235.

461. SENIOR PROJECT**3 semester hours**

Development and implementation of a significant information systems application. Prerequisites: CS/IS 336 and IS 330.

471. SEMINAR: SPECIAL TOPICS**1-3 semester hours**

Advanced study consisting of readings, reports, projects and discussions of contemporary problems and issues of computer information systems. Prerequisite: Permission of instructor.

481. INTERNSHIP IN INFORMATION SYSTEMS**1-3 semester hours**

Work experience at an advanced level in some aspect of computer information systems. Offered on an individual basis when suitable opportunities can be arranged. Prerequisites: CS/IS 326 and permission of instructor.

491. INDEPENDENT STUDY**1-3 semester hours**

COOPERATIVE EDUCATION

Director of Career Planning: Assistant Professor R. Highsmith

Director of Experiential Education: Assistant Professor P. Brumbaugh

Director of Placement: Assistant Professor K. Thompson

Career Planning and Placement offers courses designed to acquaint Elon students with the career decision-making process, to assist them in career exploration, and to prepare them for the job search.

110. CHOOSING A MAJOR**1 semester hour**

Assists undeclared or undecided (pre-major) students in choosing an appropriate college major. Topics covered in these group career counseling sessions include: career decision-making skills, personal values and needs, interest and skill assessments, senior student panel discussions, and career exploratory interviews. Recommended for freshmen and sophomores.

310. SECURING A JOB**1 semester hour**

Helps students prepare for internships, co-ops, summer jobs and permanent employment. Develop strategies for achieving career goals, investigate critical issues in the workplace, develop a resume, establish job contacts and learn how to interview effectively. Required of co-op students and recommended for sophomores, juniors, and seniors.

THE COOPERATIVE EDUCATION WORK EXPERIENCE PROGRAM enables qualified students to combine classroom theory with professional work experience while completing their degrees. The student may work full time or part time with an employer selected and/or approved by the College. Credit hours are based on the number of hours worked during the term—a maximum of 15 semester hours of internship/cooperative education credits may be applied to the 126 semester hours required for the A.B. and B.S. degrees. Evaluation is based on job performance and reflection on that performance through papers, journals, seminars, class presentations and readings. Contact the Director of Experiential Education for more information. Eligibility Requirements:

Junior or Senior standing
(Sophomores with special permission)
2.5 minimum GPA
Approval of Faculty/Exp. Ed. Director
COE 310 class required

381-386. CO-OP WORK EXPERIENCE

1-9 semester hours

This series of courses provides careful monitoring of students in either a part or full time work experience. The students learn by applying classroom theory in a job related to the major/minor/career objectives. Prerequisite: Full admission to the Co-op Program.

DANCE

Chair, Department of Fine Arts: Professor Myers
Assistant Professor: Wellford

A minor in Dance requires 18 semester hours distributed as follows: three courses from Dance 103, 104, 112, 113, 114; two courses selected from Dance 201, 202, 203; two semesters of Dance 204; two courses selected from Dance 366, 367, or HPEL 365; plus three semester hours of additional dance courses at 200 level or above.

103. INTRODUCTION TO DANCE

3 semester hours

Study and participation in a wide variety of dance styles including folk, square, social, disco, aerobics, modern, ballet, tap, jazz and musical comedy.

104. MODERN DANCE I

1 semester hour

Study and participation in modern dance techniques and styles as well as a study of the history and the choreography of modern dance personalities.

112. BALLET I

1 semester hour

Study and participation in classical ballet techniques.

113. JAZZ DANCE I

1 semester hour

Exploration of the various jazz dance techniques.

114. DANCE IMPROVISATION

1 semester hour

The study of both spontaneous and learned movements, individual and group movement exercise include how poetry, the senses, music, visual art and everyday gestures stimulate and influence dance.

201. MODERN DANCE II

1 semester hour

Participation and comparison of modern dance techniques on the intermediate level. Prerequisite: DAN 104 or permission of instructor.

202. BALLET II

1 semester hour

Participation in intermediate-level ballet exercises, combinations and study. Prerequisite: DAN 112 or permission of instructor.

203. JAZZ DANCE II**1 semester hour**

Exploration of the various jazz techniques at the intermediate level, in-depth study of the choreographic process and study of persons and events which have shaped the history of jazz dance. Prerequisite: DAN 113 or permission of instructor.

204. DANCE ENSEMBLE**1 semester hour**

A performing group available to members of the dance company and to students interested in any phase of dance production. Membership in the company is open to all students by auditions which are held prior to each semester.

366. DANCE CHOREOGRAPHY**3 semester hours**

Introduces students to the art of composition of dance for solo and groups through utilization of craft, time, space, shape, dynamics and design. Prerequisites: DAN 201, 202, 203, or permission of instructor.

367. HISTORY OF DANCE**3 semester hours**

A study of the history and philosophy of dance from its primitive beginnings up to the present with emphasis on the areas of ballet, modern, tap, jazz, musical, comedy, religious and social dance.

DRAMA

The Drama program is listed under Theatre.

ECONOMICS

Dean of Love School of Business: Professor Tiemann
Chair, Department of Economics: Associate Professor Barbour
Associate Professor: Baxter
Assistant Professors: Larson, Hart, Flynn, Lilly, Holt

A major in Economics requires Economics 201, 246, 310, 311, 411, and 15 additional hours of Economics; Mathematics 165 or 121; Accounting 201; Information Systems 116 or 130.

A minor in Economics requires Economics 201, 301 or 311, 310, one additional Economics course, and a course in Statistics (Economics 246, Mathematics 265, or Social Science 312).

201. PRINCIPLES OF ECONOMICS**4 semester hours**

The principles of macroeconomics and microeconomics. Supply and demand; macroeconomic equilibrium; unemployment and inflation; consumer theory; theory of the firm; general equilibrium; economic methodology. Prerequisite: MTH111 or higher.

246. STATISTICS FOR ECONOMICS AND BUSINESS**4 semester hours**

Collection, presentation, analysis and interpretation of statistical data. Descriptive tools for frequency distributions, central tendency and dispersion. Sampling theory and sampling distributions. Techniques for statistical inference include estimation and hypothesis testing for one and two samples, quality control, and linear regression, method of least squares. Prerequisite: MTH 165 or 121.

271. SEMINAR: ECONOMIC ISSUES**4 semester hours****301. BUSINESS ECONOMICS****4 semester hours**

Application of economic theory and methodology to the problems facing a business. Input and output decisions; forecasting; cost analysis; pricing. Prerequisite: Admission to the Love School of Business.

310. INTERMEDIATE MACROECONOMIC THEORY**4 semester hours**

National income accounting, business cycles, economic growth, forecasting, and economic stabilization. Prerequisites: ECO 201; MTH 121 or 165.

311. INTERMEDIATE MICROECONOMIC THEORY**4 semester hours**

Intermediate price theory, market structure, and distribution theory. Prerequisites: ECO 201; MTH 121 or 165.

312. COMPARATIVE ECONOMIC SYSTEMS**4 semester hours**

Study of capitalism, Marxian theory, and theoretical socialism. Included is an in-depth analysis of British Socialism and the economy of the Soviet Union. Prerequisite: ECO 201.

313. LABOR ECONOMICS**4 semester hours**

Study of the historical development, structure, government, and specific problems of the trade union movement. Emphasis is placed on collective bargaining, the economics of the labor market, minimum wages, maximum hours, and governmental security programs and labor law. Prerequisite: ECO 201. Winter Term only.

315. U.S. ECONOMIC HISTORY**4 semester hours**

Description and analysis of the growth and development of the U.S. economy and its institutions from Colonial times to the 20th century. Emphasis on the "new" economic history: explicit economic models and quantitative methods to analyze historical phenomena, including slavery and the South, the industrial economy and its labor force, the transportation revolutions, and government's role in economic change. Prerequisite: Economics 201.

317. THE ECONOMICS OF WOMEN**4 semester hours**

Topics covered include: economic theories of discrimination; economic problems faced by women in such areas as earnings, occupations, unemployment and household production; the feminization of poverty; comparative analysis of women's economic status in developed and developing countries; past and future policy implications.

331. MONEY AND BANKING**4 semester hours**

Study of history, structure, functions, and operations of our commercial and central banking system. Emphasis is placed on monetary theory, monetary policy, and the mechanism of international payments. Prerequisite: ECO 201.

332. PUBLIC FINANCE**4 semester hours**

A positive and normative approach to the role of government in the economy. Public expenditures are discussed in light of pure theory, the theory of social choice, and practical application. Prerequisite: ECO 201.

341. ECONOMIC REGULATION**4 semester hours**

Study of the economic regulation of American business. Both the economic rationale and the basic laws concerning antitrust regulation, public utility regulation, and social regulation of business will be discussed. Prerequisites: ECO 301 or 311.

347. STATISTICAL ANALYSIS**4 semester hours**

Applications of statistical techniques of analysis of variance and covariance, chi-square, simple and multiple correlation and regression, interpretation of standard designs used in scientific research; Non-parametric tests; Time Series Analysis; Decision Theory. Prerequisite: ECO 246 or MTH 265.

365. ECONOMICS APPLICATIONS**3 semester hours**

Applications of Economics to various business and public policy situations. Topics will vary from year to year. Prerequisites: ECO 301, ECO 310, or ECO 311. Winter Term only.

366. FIELD ECONOMICS**3 semester hours**

Travel course. Observation of economic policy making both domestically and abroad. Topics will vary from year to year. Prerequisites: ECO 301, ECO 310, or ECO 311. Winter Term only.

411. DEVELOPMENT OF ECONOMIC THOUGHT**4 semester hours**

Development of economic thought from antiquity to the present. Identification of various schools of economic thought and critical evaluation of content. Prerequisite: ECO 201. Spring semester only.

412. INTERNATIONAL TRADE AND FINANCE**4 semester hours**

A study of fundamental principles of international economic relations. Subjects include: the economic basis for international specialization and trade; economic gains from trade; balance of international payments; problems of international finance; and international investments. Prerequisite: ECO 201.

471. SEMINAR: SPECIAL TOPICS**4 semester hours****481. INTERNSHIP IN ECONOMICS****1-3 semester hours**

A maximum of 3 semester hours are applicable to a major or minor in Economics.

491. INDEPENDENT STUDY**1-4 semester hours**

EDUCATION

Chair: Department of Education: Professor Brogan

Professors: J. Williams, Simon, Hooks

Associate Professors: Hemphill, Speas, Wooten

Assistant Professors: Maness, Beamon

Elon College offers programs at the undergraduate level leading to North Carolina Certification in Elementary Education; Middle Grades Education; special subjects area for grades K-12, and in seven areas at the secondary level. The goal of the undergraduate program in Education is to foster in the student:

- the knowledge of the purposes of education and the role of the school in our democratic society,
- the understanding of the role of the teacher as decision-maker,
- the knowledge and skills required for developing competence in the various teacher roles as a decision-maker,
- a belief in the dignity and worth of each individual,
- the knowledge of the process of human growth and development,
- the knowledge of planning for instruction utilizing various teaching methodologies, materials, and organizational patterns,
- knowledge of the subject matter in school curriculum,
- competence in evaluating student learning,
- the knowledge and skills necessary to maintain a classroom environment that facilitates learning,
- the knowledge and skills necessary to accommodate the learning needs of exceptional children and youth,
- the knowledge and skills necessary to work effectively with culturally diverse students, and
- a desire for professional affiliation, lifelong learning, and continuing professional growth and development.

The student who successfully completes any of the teacher education programs at Elon College will be eligible for certification to teach in North Carolina. The state of North Carolina is party to the Interstate Certification Compact which qualifies Elon College graduates also to be certified in all states party to this Compact. Currently, there are 31 states who have entered into this reciprocity agreement. Any student planning to teach in a state not a part of the Interstate Certification Compact should obtain a copy of the certification requirements for a public school teacher from the State

Superintendent of Education in the state in which the student plans to teach.

Before being admitted into the Teacher Education Program, the student must make application to the program, be recommended by the appropriate major department, be interviewed and approved by the Teacher Education Committee, meet the minimum score requirements* on the tests of General Knowledge and Communication Skills of the National Teacher's Examination. The State of North Carolina requires the following minimum scores: GK—641, CS—643, and a GPA of 2.50 for all course work completed at the time of admission. After admission, failure to maintain a minimum GPA of 2.50 will result in dismissal from the program. In all cases, approval for admission to the program is subject to the discretion of the Teacher Education Committee which bases its decision upon the above factors and the following: satisfactory command of standard English usage (written and oral) and mental, physical, moral, and emotional acceptability for teaching. The Teacher Education Committee may, at its discretion, dismiss a student from the Teacher Education Program.

Application forms for the Teacher Education Program are available in the office of the Department of Education and must be filed by September 15 or February 15 of the semester immediately prior to the beginning of the student's junior year. *A student must be unconditionally admitted to the program before being permitted to take education courses beyond the 200 level.*

In order to exit from the program and be recommended for teacher certification a student must meet all academic requirements and have a GPA minimum of 2.50. A student must also meet the minimum score on the test of Professional Knowledge (the state of North Carolina requires a minimum score of 646) and the Specialty Area test (minimum scores for this test vary with the content area) and have a recommendation from the school system in which student teaching was completed.

All students who are education majors or who already hold a bachelor's degree and are seeking certification only are subject to the decisions and regulations of the North Carolina State Board of Education. These decisions and regulations are binding on the student on the date and time specified by the State Board of Education.

**Students planning to teach in a state other than North Carolina must contact the appropriate state Department of Public Instruction and secure its standards for scores on the NTE.*

Requirements for the Elementary Education Major (K-6)

A major in Elementary Education consists of courses necessary to meet requirements for certification in Elementary Education in the public schools of North Carolina.

A major in Elementary Education requires Art 368; Computer Science 178; Economics 201; Education 211, 281 (one semester hour), 321, 325, 361, 363, 381, 382, 431, 465, 467, 471, 481, 483; select one of English 201, 202, 203, 204; English 215 or Communications 210; English 301; Fine Arts 211; Geography 131; History 112, 211 or 212, 346; HPEL 362; Mathematics 261, 262; Music 368; Political Science 131; Psychology 233, 321, 332; select one of Chemistry 101, 111, Physics 101, 111; Chemistry 103 or Physics 102; Biology 111 or 121; and Sociology 111; Fine Arts 368.

Requirements for the Middle Grades Education Major

A major in Middle Grades Education consists of the courses necessary to meet the requirements for Middle Grades (grades 6-9) certification in the public schools of North Carolina. **Core Courses** (required of *all* Middle Grades Education majors): Computer Science 178; Economics 201; Education 211, 281 (one semester hour), 322, 432, 441, 471, 481; FA 211; History 112, 211 or 212, HPEL 120; Psychology 233, 321, 332, Sociology 111.

In addition to the Core Courses, a student majoring in Middle Grades Education must select two subject area concentrations.

Concentration in Communication Skills

Journalism/Communications 210; Education 362, 381; English 204, 215, 301; select two of the following: Education 325, English 203, 281, 321, 334, Theater 101.

Concentration in Social Studies

Education 364, 382; Geography 131; History 111, 112, 211, 212, 321, 346, 3 semester hours in non-western history or culture; and Political Science 131.

Concentration in Mathematics

Education 466, 483; Mathematics 112, 121, 221, 241, 262, 265.

Concentration in Physical Education

Education 382, 423; Physical Education 211, 221, 263, 310, 363, 365, 410.

Concentration in Science

Education 468, 483; Biology 111, 113, 121; Chemistry 101 and 102 or Chemistry 111 and 113, and Chemistry 103 and 104; Physics 101 and 107 or Physics 111 and 115, and Physics 102 and 108.

Requirements for Secondary Education Certification

The student planning to teach at the high school level completes a major in a discipline and the necessary Education and Psychology courses for teacher certification at the secondary level (grades 9-12). The student must complete one of the following major areas: Biology, Chemistry, Comprehensive Science Certification, English, History, Mathematics, or Social Sciences. Specific requirements for each major are listed with the appropriate department in this catalog. In addition, the following Professional Education courses must be completed satisfactorily: Education 211, 281, 322, 415, 432, the appropriate subject area methods and materials course (chosen from Education 421-427), 471, 481; Psychology 233, 321, 332, and Computer Science 178.

Requirements for Certification in Special Subject Areas (K-12)

Majors in Special Subject Areas (grades K-12) are Health Education, Music Education, and Physical Education. Specific requirements for these majors are listed with the appropriate department in this catalog. In addition, the

following Professional Education courses must be completed satisfactorily: Education 211, 281, 322, 415, 432; the appropriate subject area methods and materials course (chosen from Education 423, 427, Music 461-462), 471, 481; Psychology 233, 321, 332; and Computer Science 178.

211. INTRODUCTION TO EDUCATION

2 semester hours

A study of the teaching profession: teacher certification procedures, the organization of schools, curriculum models, and current trends and issues.

281. INITIAL PRACTICUM FOR EDUCATION

1-3 semester hours

The major thrust of this experience is observation and assistance to the student as he/she moves toward the role of teacher. This ordinarily occurs during the students' sophomore year.

321. READING IN THE ELEMENTARY SCHOOL

3 semester hours

A study of the fundamental processes by which a child learns to read, with attention to readiness factors, vocabulary development, word attack, and comprehension skills. Public school field experience required. Prerequisite: EDU 211.

322. READING IN THE CONTENT AREAS (Middle Grades and Secondary Grades)

2 semester hours

A study of the reading process and reading problems of students above the primary level. Study includes the reading process, diagnosis of reading difficulties, remedial techniques, standardized tests, vocabulary building. Public school field experience required. Prerequisite: EDU 211.

325. DIAGNOSTIC/PRESCRIPTIVE READING INSTRUCTION

3 semester hours

Competencies developed are diagnostic and prescriptive skills with increased knowledge and implementation of teaching strategies. Public school field experience required. Prerequisite: EDU 211, 321 or 322.

361. COMMUNICATION SKILLS METHODS AND MATERIALS FOR ELEMENTARY TEACHERS

2 semester hours

This course enables students to investigate, evaluate and select content, methods, and materials used in the organization and teaching of communication skills in the elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281; PSY 233, 321.

362. COMMUNICATION SKILLS METHODS AND MATERIALS FOR MIDDLE GRADES TEACHERS

2 semester hours

This course enables students to investigate, evaluate and select content, methods, and materials used in the organization and teaching of communication skills in the middle school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281; PSY 233, 321.

363. SOCIAL STUDIES METHODS AND MATERIALS FOR ELEMENTARY TEACHERS

2 semester hours

This course enables students to investigate, evaluate and select content, methods, and materials used in the organization and teaching of social studies in the elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281; PSY 233, 321.

364. SOCIAL STUDIES METHODS AND MATERIALS FOR MIDDLE GRADES TEACHERS

2 semester hours

This course enables students to investigate, evaluate and select content, methods, and materials used in the organization and teaching of social studies in the middle school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281; PSY 233, 321.

381. PRACTICUM IN TEACHING COMMUNICATION SKILLS AND READING

1 semester hour

This practicum will provide field experiences for students studying the content and methodology of communication skills. It begins with the observation of teachers and children and includes oppor-

tunities for micro-teaching and teaching small groups of children in the public school classroom. EDU 321 or 322 and 361 and 362 are taken concurrently. Prerequisites: EDU 211 and 281.

382. PRACTICUM IN TEACHING SOCIAL STUDIES, ART AND PHYSICAL EDUCATION **1 semester hour**

This practicum will provide field experiences for students studying the content and methodology of social studies, art and physical education. It begins with the observation of teachers and children and includes opportunities for micro-teaching and teaching small groups of children in the public school. EDU 363 or 364 are taken concurrently. Elementary majors also concurrently take ART 368, MUS 368, FA 368, and HPEL 362.

415. MATERIALS AND METHODS OF HIGH SCHOOL TEACHING **2 semester hours**

Study of the general methods, techniques and practices applied in the secondary school. Open only to seniors. Taught in conjunction with Education 421-427; the courses in materials and methods of each subject-matter concentration listed below. Prerequisite: EDU 211. Fall semester only.

421. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL ENGLISH **3 semester hours**

A study of the content and organization of the English curriculum; emphasis upon the methods and materials used in teaching reading, literature, grammar, oral and written expression. Public school classroom observation required. Prerequisite: EDU 211. Fall semester only.

422. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL MATHEMATICS **3 semester hours**

A study of the objectives and content of the mathematics curriculum, and the materials, techniques, tests and methods of evaluation used in the teaching of mathematics. Prerequisite: EDU 211. Fall semester only.

423. MATERIALS AND METHODS OF TEACHING PHYSICAL EDUCATION **3 semester hours**

Methods, materials, and techniques of teaching skills in the school health, physical education curriculum; organization and planning of the total curriculum as well as daily programs; laboratory experiences in observing and conducting activity classes in on-campus student teaching in conjunction with activity classes. Prerequisite: EDU 211. Fall semester only.

424. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SCIENCE **3 semester hours**

The role of science in the secondary school curriculum. Current trends and methods used in teaching the Natural Sciences. Emphasis on Biology or Chemistry, depending upon the prospective teacher's major discipline. Prerequisite: EDU 211. Fall semester only.

425. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SOCIAL STUDIES **3 semester hours**

A study of the materials and methods of teaching social studies. Emphasis upon planning, organization, objectives, and evaluation. Required classroom observation. Prerequisite: EDU 211. Fall semester only.

427. MATERIALS AND METHODS OF HEALTH AND SAFETY **3 semester hours**

Designed to develop awareness of the importance of a health and safety education program in all levels of school (K-12). Emphasis is on methods of curriculum planning, analyzing, and developing content area unit plans and teaching approaches. Prerequisite: EDU 211. Fall semester only.

431. FOUNDATIONS OF EDUCATION FOR K-6 **3 semester hours**

The historical development and philosophical bases for public education in America; the elementary and intermediate schools' role and influence in society; the K-4 and 4-6 teacher's role as it has emerged from the philosophies, practices, and policies of public education. Prerequisite: EDU 211.

432. FOUNDATIONS OF EDUCATION FOR 6-9, 9-12, and SPECIAL SUBJECT AREAS **3 semester hours**

The historical development and philosophical bases of public education in America; the middle and secondary schools' role and influence in society; the 6-9, 9-12 and special subject teacher's role as it has emerged from the philosophies, practices, and policies of public education. Prerequisite: EDU 211.

441. CURRICULUM AND INSTRUCTION IN THE MIDDLE GRADES **3 semester hours**

A study of historical and contemporary curricula and instruction in the middle and junior high schools. Emphasis is on the special curricular and instructional needs of the pre- and early adolescent. Various types of programs and instruction designed to teach the 11-14 year old academic and personal skills and concepts are explored. Offered in fall semester of even years only. Prerequisite: EDU 211.

461. SEMINAR IN CLASSROOM ENVIRONMENT **3 semester hours**

A study of general methods, techniques and practices characteristic of positive approaches to classroom teaching. Attention is focused on various research in the areas of student motivation, student-teacher interaction, counseling, discipline and general classroom atmosphere. Prerequisite: EDU 211.

465. MATHEMATICS METHODS AND MATERIALS FOR ELEMENTARY TEACHERS

2 semester hours

This course enables students to investigate, evaluate and select content, methods, and materials used in the organization and teaching of mathematics in the elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281, 361, 363, 381, 382; PSY 233, 321.

466. MATHEMATICS METHODS AND MATERIALS FOR MIDDLE GRADES TEACHERS

2 semester hours

This course enables students to investigate, evaluate and select content, methods, and materials used in the organization and teaching of mathematics in the middle school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281; PSY 233, 321.

467. SCIENCE METHODS AND MATERIALS FOR ELEMENTARY TEACHERS

2 semester hours

This course enables students to investigate, evaluate and select content, methods, and materials used in the organization and teaching of science in the elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281, 361, 363, 381, and 382; PSY 233, 321.

468. SCIENCE METHODS AND MATERIALS FOR MIDDLE GRADES TEACHERS

2 semester hours

This course enables students to investigate, evaluate and select content, methods, and materials used in the organization and teaching of science in the middle school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281; PSY 233, 321.

471. SEMINAR FOR STUDENT TEACHERS

2 semester hours

The scope of this seminar includes new information regarding the management of student behavior, school law, the teacher as decision-maker, teacher evaluation and certification, and the creation of professional development plans.

481. SUPERVISED OBSERVATION AND STUDENT TEACHING

10 semester hours

Provides the student with experience in the classroom on a full-time basis for a period of one semester, with periodic conferences with the college supervisor(s) and the classroom cooperating teacher(s). The student becomes acquainted with the duties and observes the methods and activities of an experienced teacher, with gradual induction into full-time teaching responsibilities. Included in this experience is the co-requisite, EDU 471; seminar for student teachers. Prerequisites: EDU 211, 431 or 432, and appropriate methods course(s).

483. PRACTICUM IN TEACHING DIAGNOSTIC READING, MATHEMATICS AND SCIENCE 1 semester hour

This practicum will provide field experiences for students studying the content and methodology of mathematics, science and diagnostic reading. It expands the preservice teacher's field experience toward a comprehensive experience with the school, to include—child-centered, inquiry learning, integration of content areas, and unit level planning. EDU 365 or 366 and 367 or 368 are taken concurrently. Prerequisites: EDU 211, 281, 321 or 322. Prerequisites for elementary majors also include EDU 361, 363, 381 and 382.

491. INDEPENDENT STUDY

1-3 semester hours

ENGLISH

Chair, Department of English: Professor M. Smith

Professors: Blake, Bland, Gill, Angyal

Associate Professors: J. Berry, Lyday-Lee, Haskell

Assistant Professors: Butler, Mackay, Maness, P. Haworth, Schwind, Herold, Cassebaum, Gordon, Boyd, Braye, Warman

Part-Time Assistant Professor: R. House

The major in English requires 39 semester hours selected from the following groups of English courses:

I. Language (310-319; 410-419)	3 semester hours
II. Historical Studies (320-329; 420-429)	9 semester hours
III. Contemporary Studies (330-339; 430-439)	6 semester hours
IV. Major Authors (340-349; 440-449)	3 semester hours
V. Genres (350-359; 450-459)	3 semester hours
VI. Senior Seminar—English 495	3 semester hours
VII. English Electives (200 level or above; at least 2 classes must be at the 300-400 level)	12 semester hours

One English course in addition to the Senior Seminar must be at the 400 level.

Students majoring in English for teacher certification are required to take English 200, 201, 202, 203 or 204, 215, 281, 311, 312, 321, one class from Contemporary Studies (Group III), one class from Major Authors (Group IV), one class from Genres (Group V), 6 hours of additional English electives at the 300-400 level, JC 210, and the required professional education courses. One English course must be at the 400 level. English 314 is strongly recommended.

A minor in English requires eighteen (18) semester hours of English courses beyond English 111 and 112, at least nine (9) semester hours of which must be 300-400 level courses.

The English Department is inclusive in its course offerings and content of courses in literature. Wherever appropriate, faculty members include works by and about women, minorities, and ethnic groups.

100. BASIC WRITING SKILLS

3 semester hours

A writing course with lab designed to ensure the student's ability to develop and organize ideas and to write in a correct, readable style. Required of all entering freshmen and transfer students except those who can demonstrate writing competence. This course does not satisfy a general studies requirement or the requirements for the English major/minor. A minimum

final grade of "C" is prerequisite for registration for English 111. Not open to students with prior credit for English 111 except with special permission.

106. ANALYTICAL READING

3 semester hours

A course designed to improve the student's ability to analyze, comprehend, and retain college level reading material. This course does not satisfy a general studies requirement or the requirements for the English major/minor.

111. FRESHMAN ENGLISH I

3 semester hours

Writing sequences with practical application of specific strategies for invention, drafting, frequent revision, peer review, and editing. A final grade of "C" is prerequisite for registration for English 112.

112. FRESHMAN ENGLISH II

3 semester hours

A study of argumentation, involving development of the ability to think and write critically as students research, analyze, write, and deliberate about issues significant to our civilization. A final grade of "C" is required for graduation. Prerequisite: ENG 111.

171. SPECIAL TOPICS

3 semester hours

A study of special topics or types of literature. It is designed for students who have not completed English 112.

200. INTRODUCTION TO LITERATURE

3 semester hours

A study of the characteristics of fiction, drama and poetry. Emphasis on how to interpret these kinds of literature and assess their traditional identifying characteristics. Prerequisites: ENG 111, 112.

201. ENGLISH LITERATURE I

3 semester hours

A survey of English literature from Beowulf to the end of the eighteenth century in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

202. ENGLISH LITERATURE II

3 semester hours

A survey of English literature from the beginning of the nineteenth century to the present in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

203. AMERICAN LITERATURE I

3 semester hours

A survey of American literature from the Colonial Period to 1860 in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

204. AMERICAN LITERATURE II

3 semester hours

A survey of American literature from 1860 to the present in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

213. CREATIVE WRITING

3 semester hours

A workshop in writing of fiction or poetry. There may be texts assigned for discussion of techniques and/or form. Prerequisite: English 111.

215. FUNDAMENTALS OF GRAMMAR

3 semester hours

A study of the traditional description of the English language including terminology, parts of speech, grammatical structures, and correct usage at the level of standard written English. Prerequisites: ENG 111, 112.

251. ENGLISH STUDIES IN BRITAIN

3 semester hours

A study-tour based in London with emphasis on the theater and places of literary and cultural importance. Excursions to such places as Stratford-upon-Avon, Stonehenge, and Canterbury. Winter Term only. No credit on the English minor.

281. WRITING CENTER WORKSHOP

3 semester hours

This course enhances students' writing ability while they learn to tutor writing. It requires tutoring three hours each week in Elon's Writing Center. Strong writing abilities and interpersonal skills recommended. Prerequisites: ENG 111, 112.

282. PRACTICUM IN ENGLISH**1-3 semester hours**

This course provides students the opportunity to observe and record the different types of writing produced in an office or business. Prerequisites: ENG 111, 112. *No credit toward General Studies requirements.*

301. CHILDREN'S LITERATURE**3 semester hours**

Children's literature as a basis for the selection and production of reading or story material for children in the elementary grades. Examination of the field of children's literature and folk literature to discover reading which satisfies modern education requirements. No credit on the English major, Journalism major, Communications major, or English minor. Prerequisites: ENG 111, 112, EDU 211.

310-319, 410-419. LANGUAGE (Group I)

Studies in the structure and historical development of the English language, language in society, language as an effective means of communication, and current research in language.

311. HISTORY OF THE ENGLISH LANGUAGE**3 semester hours**

A study of the historical development of the English language from its Indo-European origins to the present. Prerequisites: ENG 111, 112.

312. INTRODUCTION TO LINGUISTICS**3 semester hours**

A study of the systems of language, including the phonology, morphology and semantics of the English language. Prerequisites: ENG 111, 112.

313. WRITING FOR THE PROFESSIONS**3 semester hours**

A study of professional writing through problem solving. Prerequisites: ENG 111, 112.

314. INTRODUCTION TO RHETORIC**3 semester hours**

A study of the resources of language as vehicle of communication. The emphasis is on the practical application of these resources to the problems of written communication by the writing of frequent papers. Prerequisites: ENG 111, 112.

320-329; 420-429. HISTORICAL STUDIES (GROUP II)

Studies of literature in historical, interdisciplinary, and cross-cultural contexts.

321. CLASSICAL LITERATURE**3 semester hours**

A study of classical literature and culture, including Greek and Roman myth, drama, epic, lyrical poetry, and philosophy. Readings include writers such as Homer, Plato, Sophocles, Ovid, and Virgil. Prerequisites: ENG 111, 112.

322. MEDIEVAL LITERATURE**3 semester hours**

A study of major works of British and Continental Medieval literature, exploring such matters as chivalry and romance, the church and the world. Prerequisites: ENG 111, 112.

323. RENAISSANCE LITERATURE**3 semester hours**

A study of selected works of the British and Continental Renaissance, including such influences as the Reformation, scientific discovery, and humanism. Prerequisites: ENG 111, 112.

324. THE ENLIGHTENMENT**3 semester hours**

A study of great works of British, Continental, and American literature during an age of reason and sensibility marked by industrial, scientific, and political revolutions. Prerequisites: ENG 111, 112.

325. ROMANTICISM**3 semester hours**

A study of great British, Continental and American Romantic literature, examining attitudes towards the self, nature and the supernatural. Prerequisites: ENG 111, 112.

326. THE LATER NINETEENTH CENTURY**3 semester hours**

A study of American, British, and Continental literature against the background of scientific and religious ferment, nationalism, aestheticism, and naturalism. Prerequisites: ENG 111, 112.

330-339; 430-439. TWENTIETH-CENTURY STUDIES (GROUP III)

Studies in the literature of the twentieth century, organized to represent a historical period, a cultural heritage, or a critical perspective. In addition to the topics listed below, other topics may include Black American Literature, Myth and Fantasy in Modern Fiction, Twentieth Century Novels by Women.

331. STUDIES IN MODERN LITERATURE**3 semester hours**

A study of important literary works and movements of the first half of the twentieth century, such as imagism, symbolic realism, psychological realism, experimental fiction, expressionism, the expatriates, and the protest writers of the thirties. Prerequisites: ENG 111, 112.

332. LITERATURE OF THE SOUTH**3 semester hours**

A study of Southern literature, its background and themes, with attention given to major twentieth century writers. Prerequisites: ENG 111, 112.

333. FEMINIST APPROACHES TO LITERATURE**3 semester hours**

A study of modern and traditional works of literature interpreted or reinterpreted from the perspective of feminist literary theories. Prerequisites: ENG 111, 112.

334. STUDIES IN THIRD WORLD AND ETHNIC LITERATURE**3 semester hours**

A study of selected literature from ethnic cultures such as American Black, Chicano, Native American, Asian Indian, African, Caribbean, Central and South American. Prerequisites: ENG 111, 112.

335. STUDIES IN CONTEMPORARY LITERATURE**3 semester hours**

A study of contemporary literature such as the French anti-novel, absurdist drama, metafiction, and "magic realism." Prerequisites: ENG 111, 112.

340-349; 440-449. MAJOR AUTHORS (Group IV)

Studies in the works of individual authors who have captured and continue to hold the imaginations of readers. Dante, Austen, Hawthorne/Melville, Conrad, Hardy, Faulkner, Hemingway, and Frost are typical offerings, in addition to those listed below.

341. CHAUCER**3 semester hours**

A study of Chaucer's major works in the context of their medieval intellectual background, including the greater portion of *The Canterbury Tales* and *Troilus and Cressida*. Prerequisites: ENG 111, 112.

342. SHAKESPEARE**3 semester hours**

A study of a selected group of Shakespeare's comedies, tragedies, and histories. Prerequisites: ENG 111, 112.

343. MILTON**3 semester hours**

A study of selected works of Milton in poetry and prose in the context of their seventeenth century background. Prerequisites: ENG 111, 112.

350-359; 450-459. GENRES (Group V)

Studies in specific types of literature. Examples are poetry, drama, the novel, the essay, the short story. Courses in genre include "kinds" of literature which cut across the more traditional genre labels.

351. THE NOVEL**3 semester hours**

An examination of representative types of novels from different countries and ages. The focus and content of the course will vary. Typical approaches include the American novel, the British novel, the picaresque novel, the *Bildungsroman*, the political novel. Prerequisites: ENG 111, 112.

352. DRAMA**3 semester hours**

An examination of representative plays from different countries and ages. The focus and content of the course will vary. Typical approaches include Classical drama, Realistic drama, Avant Garde drama, American drama, and Expressionism. Prerequisites: ENG 111, 112.

353. POETRY**3 semester hours**

A study of the major types of poetry. Prerequisites: Eng 111, 112.

360-379; 460-479. ELECTIVE TOPICS

Studies of various literary and writing topics, offered chiefly in the Winter Term. In addition to the courses listed below, examples are: Literature/Theater in Britain, Literature and Dreams, Faulkner's *Sound and the Fury*, and Alternate Languages.

362. A STUDY OF FILMS**3 semester hours**

A survey of significant world cinema, using films that illustrate differences in national cultures, chief periods and types of film-making, and the achievements in techniques and ideas of the greatest directors. Prerequisites: ENG 111, 112 (ENG 362 is the same as JC 362.)

365. LITERATURE AND THEOLOGY**3 semester hours**

A study focusing on relationships between the literary and theological disciplines with special attention to literature illustrative of various approaches to religious questions. Prerequisites: ENG 111, 112 (ENG 365 is the same as REL 365)

381. ENGLISH INTERNSHIP**1-3 semester hours**

This course provides students the opportunity to apply their writing skills in a business office. Pre/Co-requisite: English 313. *No credit toward General Studies requirements.*

491. INDEPENDENT STUDY**1-3 semester hours****495. SENIOR SEMINAR****3 semester hours**

This course provides a synthesis of studies in the major with additional literary theory. Students participate in assessment of their major work, write an independent literary paper, and conduct a class session on their chosen topic. Required of English majors (except Teacher Certification majors) in the spring semester of their senior year. *English majors or permission of instructor.*

FINE ARTS

Chair, Department of Fine Arts: Professor Myers
Assistant Professors: Rubeck, Drtina

101. INTRODUCTION TO THEATRE**3 semester hours**

(Same as Theatre 101. See TH 101 for description.)

- 103. INTRODUCTION TO DANCE** 3 semester hours
(Same as Dance 103. See DAN 103 for description.)
- 211. INTRODUCTION TO FINE ARTS** 3 semester hours
A comparative study of major artistic forms using representative examples of painting, sculpture, architecture, music, dance and drama to aid the student in discovering the world of art, its uses, purposes and aesthetic values.
- 215. INTRODUCTION TO MUSIC LITERATURE** 3 semester hours
(Same as Music 215. See MUS 215 for description.)
- 217. INTRODUCTION TO MUSIC** 3 semester hours
(Same as Music 217. See MUS 217 for description.)
- 218. HISTORY OF JAZZ** 3 semester hours
(Same as Music 218. See MUS 218 for description.)
- 251. FINE ARTS STUDIES IN ENGLAND** 3 semester hours
A study-tour in London with emphasis on theatres, concerts and places of cultural importance. Winter Term only.
- 368. DANCE AND THEATRE IN THE ELEMENTARY SCHOOL** 2 semester hours
The purpose of this course is to provide the Elementary Education major with the basic skills in dance and creative dramatics and the methods of implementing these activities in the classroom. Enrollment is limited to Elementary Education majors of at least junior standing.

FOREIGN LANGUAGES

Chair, Department of Foreign Languages: Associate Professor Lunsford
Associate Professors: Rodriguez, Wilson
Assistant Professor: Romer
Instructor: Belhassen

A major in French requires a total of 36 hours above the intermediate level: French 321, 322, 331, 332, 341, 342, 361, 362, 401, 432, and 371 and/or 471. One of the following must also be selected: (a) a semester abroad program at the junior level, (b) a summer abroad program, or (c) two additional courses in French at the 300-400 level.

A minor in French requires 18 semester hours of French courses. At least 6 of the semester hours must be at the 300-400 level.

A major in Spanish requires a total of 36 hours above the intermediate level: Spanish 321, 322, 331, 332, 341, 342, 361, 362, 401, 432, and 371 and/or 471. One of the following must also be selected: (a) a semester abroad program at the junior level, (b) a summer abroad program, or (c) two additional courses in Spanish at the 300-400 level.

A minor in Spanish requires 18 semester hours of Spanish courses. At least 6 of the semester hours must be at the 300-400 level.

FRENCH 101, 102. FOUNDATIONS OF FRENCH 3 semester hours each semester
An introductory course for students who have not completed two years of one foreign language in high school. This course focuses on the structure of the French language and on practical conversation in a cultural setting. Courses do not satisfy General Studies requirements.

FRENCH 111, 112. ELEMENTARY FRENCH 3 semester hours each semester
An introductory course for students who have taken at least two years of a foreign language in high school. It develops language skills by stressing cultural content, conversation, and pronunciation while also giving a basis in French grammar.

FRENCH 211, 212. INTERMEDIATE FRENCH**3 semester hours each semester**

A systematic review of French grammar for students with a minimum of 2 years of high school French. It includes oral drill, writing, and an emphasis on development of reading skills. Prerequisites: two years of high school French or FR 111, 112 or equivalent.

FRENCH 321. FRENCH CONVERSATION**3 semester hours**

Intense practice in oral communication in everyday situations. Emphasis on vocabulary building and speaking proficiency. Prerequisite: FR 212 or permission of the instructor.

FRENCH 322. ADVANCED CONVERSATION AND COMPOSITION**3 semester hours**

Intensive practice in oral and written expression. Focus on refinements in structure, conversation and writing for specific purposes. Prerequisite: FR 212 or permission of the instructor.

FRENCH 331. SURVEY OF FRENCH LITERATURE I**3 semester hours**

A chronological study of French literature from its origins in the Middle Ages through the eighteenth century. Prerequisite: FR 212 or permission of instructor.

FRENCH 332. FRENCH LITERATURE II**3 semester hours**

A chronological survey of the literature of France of the nineteenth and twentieth centuries. Prerequisite: FR 212 or permission of the instructor.

FRENCH 341. THE LITERATURE OF THE ENLIGHTENMENT**3 semester hours**

An in-depth study of the major authors/philosophers of eighteenth century France. Prerequisite: FR 212 or permission of the instructor. FR 331 is recommended but not required.

FRENCH 342. NINETEENTH-CENTURY FRENCH LITERATURE**3 semester hours**

An in-depth study of the major trends and authors of nineteenth-century France in their social, historical, and literary contexts. Prerequisite: FR 212 or permission of the instructor. FR 332 is recommended but not required.

FRENCH 361. FRENCH CIVILIZATION**3 semester hours**

A chronological study of the history, geography, and people of France, from pre-historic times to the present. Emphasis on France's considerable contributions to Western civilization. Prerequisite: FR 212 or permission of the instructor.

FRENCH 362. FRANCOPHONE CULTURES OUTSIDE FRANCE**3 semester hours**

A study of cultures around the world influenced by France. Prerequisite: FR 212 or permission of the instructor.

FRENCH 371. SPECIAL TOPICS**3 semester hours****FRENCH 401. FRENCH PHONETICS****3 semester hours**

A systematic approach to French pronunciation through sound/spelling relationships, exercises in phonetic transcriptions, and sound discrimination. Prerequisite: FR 212 or permission of the instructor.

FRENCH 432. FRENCH CLASSICISM**3 semester hours**

A study of the writers of the Classical age: Moliere, Racine, Corneille, la Fontaine, Madame de Lafayette, Descartes, Pascal. Prerequisite: FR 331 or permission of the instructor.

FRENCH 471. SEMINAR: SPECIAL TOPICS**3 semester hours****FRENCH 491. INDEPENDENT STUDY****1-3 semester hours****GERMAN 111, 112. ELEMENTARY GERMAN****3 semester hours**

An introductory course for students who have taken at least 2 years of a foreign language in high school. It develops language skills by stressing cultural content, conversation, and pronunciation while giving a basis in German grammar.

GERMAN 211, 212. INTERMEDIATE GERMAN**3 semester hours each semester**

A systematic review of German grammar for students with a minimum of 2 years of high school

German. It includes oral drill, writing, and an emphasis on development of reading skills. Prerequisites: Two years of high school German or GER 111, 112 or equivalent.

GREEK 111, 112. ELEMENTARY GREEK

3 semester hours each semester

Mastery of declensions and conjugations, synopsis of verbs, word analysis, derivation and composition. Offered alternate years.

GREEK 211, 212. INTERMEDIATE NEW TESTAMENT GREEK

3 semester hours each semester

Intermediate Greek grammar with emphasis on readings in the New Testament. Textual problems and methods of interpretation. Offered alternate years. Prerequisite: GRK 112.

SPANISH 101, 102. FOUNDATIONS OF SPANISH

3 semester hours each semester

An introductory course for students who have not completed two years of one foreign language in high school. This course focuses on the structure of the Spanish language and on practical conversation in a cultural setting. Courses do not satisfy General Studies requirements.

SPANISH 111, 112. ELEMENTARY SPANISH

3 semester hours each semester

An introductory course for students who have at least two years of any one foreign language in high school. It develops language skills by stressing cultural content, conversational use, and pronunciation while also giving a basis in Spanish grammar.

SPANISH 211, 212. INTERMEDIATE SPANISH

3 semester hours each semester

A systematic review of Spanish grammar for students with a minimum of 2 years of high school Spanish. It includes oral drill, writing, and an emphasis on development of reading skills. Prerequisites: Two years of high school Spanish or SPN 111, 112 or equivalent.

SPANISH 321. SPANISH CONVERSATION

3 semester hours

Intense practice in oral communication in everyday situations. Emphasis on vocabulary building and speaking proficiency. Prerequisite: SPN 212 or permission of the instructor.

SPANISH 322. ADVANCED CONVERSATION AND COMPOSITION

3 semester hours

Intensive practice in oral and written expression. Focus on refinements in structure, conversation, and writing for specific purposes. Prerequisite: SPN 212 or permission of the instructor.

SPANISH 331. SPANISH LITERATURE I

3 semester hours

A chronological survey of the development of the literature of Spain, from its beginnings in the Middle Ages through the Renaissance and the Golden Age. Prerequisite: SPN 212 or permission of instructor.

SPANISH 332. SPANISH LITERATURE II

A chronological survey of the literature of Spain during the eighteenth through twentieth century. Prerequisite: SPN 212 or permission of instructor.

SPANISH 341. LATIN-AMERICAN LITERATURE I

3 semester hours

The development of Spanish-language literature in Latin America beginning with Spanish conquest of the New World and continuing through the realism and naturalism movements of the nineteenth century. Special attention is given to the gaucho literature of Argentina. Prerequisite: SPN 212 or permission of instructor.

SPANISH 342. LATIN-AMERICAN LITERATURE II

3 semester hours

A chronological survey of twentieth century literature in Latin America, beginning with the turn-of-the-century Modernist movement. Prerequisite: SPN 212 or permission of instructor.

SPANISH 361. SPANISH CIVILIZATION

3 semester hours

A chronological study of the history, geography, and people of Spain, from pre-historic times to the present. Emphasis on Spain's considerable contributions to Western civilization. Prerequisite: SPN 212 or permission of the instructor.

SPANISH 362. LATIN AMERICAN CIVILIZATION

3 semester hours

This course will examine the Latin American continent from the aspects of geography, history, art and architecture, music, government, economy, ethnicity, languages and culture. It will

include a study of each individual country. Prerequisite: SPN 212 or permission of instructor.

SPANISH 371. SPECIAL TOPICS 3 semester hours

SPANISH 401. SPANISH PHONETICS 3 semester hours

A systematic approach to Spanish pronunciation through sound/spelling relationships, exercises in phonetic transcriptions, and sound discrimination. Prerequisite: SPN 212 or permission of the instructor.

SPANISH 432. GOLDEN AGE LITERATURE 3 semester hours

This course will be an in-depth study of Spain's "Golden Age," which spans the 16th and 17th centuries when Spain's literary and artistic achievements reached their greatest heights at a time when Spain was on the decline as a political and economic power. Prerequisite: SPN 331 or permission of the instructor.

SPANISH 471. SEMINAR: SPECIAL TOPICS 3 semester hours

SPANISH 491. INDEPENDENT STUDY 1-3 semester hours

GEOGRAPHY

Assistant Professor: Cates

A minor in Geography requires Geography 121, 131, and 12 additional hours chosen from Geography, Biology 301, and Chemistry 103.

121. PHYSICAL GEOGRAPHY 3 semester hours

A study of man's natural environment. Elements studied are weather and climate, water bodies, soils, natural vegetation, wildlife and landforms. Emphasis on interrelations among these environmental elements, their world-wide patterns, man's adaptations to them and impact on them.

131. WORLD REGIONAL GEOGRAPHY 3 semester hours

A study of the natural environment and human characteristics of the world's major regions. Emphasis on distinguishing characteristics and major problems of each region.

311. GEOGRAPHY OF THE UNITED STATES AND CANADA 3 semester hours

A study of Anglo-America's natural environment, population, and human activities. A description of continental patterns is followed by concentration on the subregions. Offered alternate years.

321. GEOGRAPHY OF EUROPE 3 semester hours

A study of the environmental and human characteristics of Europe. Continent-wide patterns are studied as well as the subregions and countries which make up Europe. Offered alternate years.

331. GEOGRAPHY OF NORTH CAROLINA 3 semester hours

North Carolina's natural environment, population, political organization, and economy. Statewide patterns and trends are used to define regions of the state.

491. INDEPENDENT STUDY 1-3 semester hours

HEALTH, PHYSICAL EDUCATION, AND LEISURE/SPORTS MANAGEMENT

*Chair, Department of Health, Physical Education and Leisure/Sports
Management: Professor Brown*

Professor: A. White

Associate Professors: Parham, Beedle, Calhoun, Drummond

*Assistant Professors: Morningstar, Baker, Burton, Myers, Brewer, Hart,
Leonard, Wellford*

Instructors: Hicks, Worst, Patterson, Hardin

Physical Education Major

A major in Physical Education requires: HPEL 161, 162, 211, 221, 263, 310, 321; one course from HPEL 342, 343, 344, 345; HPEL 360, 363, 365, 410, 411, 422, 423, BIO 161, 162. Students desiring teacher certification should also take the requirements listed under Education Requirements for Special Subjects areas.

Health Education endorsement for persons with Physical Education certification requires Education 427 and 15 additional hours chosen from the required Health Education courses.

A minor in Physical Education requires HPEL 162, 211, 221, 263, 360 or 365, 410, 411.

A minor in Sports Medicine requires Biology 161, 162, HPEL 221, 312, 321, 481 (3 semester hours).

A minor in Physical Education with a coaching concentration requires HPEL 211, 221, 310, 410; two courses from HPEL 342, 343, 344, 345, 347; and HPEL 461 (Seminar in Athletic Coaching — 3 semester hours).

Health Education Major

A major in Health Education requires HPEL 120, 160, 211, 220 or 221, 322, 323, 410, 411, 412; Biology 161, 162; Psychology 313, 332, 333, and EDU 427. Students desiring teacher certification should also take the requirements listed under Education Requirements for Special Subjects areas.

Physical Education endorsement for the Health Education major requires EDU 423 and 15 additional hours chosen from the required Physical Education certification courses.

Leisure/Sports Management Major

A major in Leisure/Sports Management requires: HPEL 212, 221, 325, 326, 327, 410, 411, 422, 425, 461, 481 (6 semester hours), 2.2 GPA required; ACC 201, BA 302, 303, and 311.

A minor in Leisure/Sports Management requires HPEL 212, 325, 326, 327, 410, 411.

Sports Medicine Major

A major in Sports Medicine requires the following core courses: HPEL 221, 310, 321, 322, 323, 422, BIO 161 and 162; and completion of one of the following tracks: the Exercise/Sports Science track requires HPEL 281 (2 hrs), 411, 481 (3-6 hrs), CHM 111 and 113, and BA 303; the Athletic Training track requires HPEL 312, 328, 329, 413, 414, 481 (two 3 hour courses), CHM 101 and 102.

100. TENNIS AND BADMINTON

1 semester hour

101. RACQUETBALL

1 semester hour

102. ELEMENTARY GYMNASTICS

1 semester hour

- 105. GOLF (Beginning and Intermediate)** 1 semester hour
- 106. BEGINNING SWIMMING AND EMERGENCY WATER SAFETY** 2 semester hours
An introduction to basic swimming techniques as well as general water safety instruction in order to create an awareness of causes and prevention of water accidents; includes how to respond effectively in a water emergency. (Beginning Swimming and Emergency Water Safety certification given.)
- 107. INTERMEDIATE TO ADVANCED SWIMMING** 1 semester hour
Review of basic strokes. Introduction of advanced strokes and elements of competitive swimming. Emphasis is on skill and cardiovascular fitness. Recommended to persons who plan to obtain lifeguard training and/or water safety instructor's certification.
- 108. LIFEGUARD TRAINING** 2 semester hours
Provides knowledge and skill development for aquatic safety and non-surf lifeguarding. Persons completing this course will receive Red Cross certification. Prerequisites: Strong swimming skills, current Red Cross Standard First Aid.
- 109. OVERLOAD CONDITIONING** 1 semester hour
Progressive development of physiological fitness designed to meet the needs of the individual student. Includes weight training and cardio-respiratory training.
- 110. SNOW SKIING—BEGINNER TO ADVANCED** 1-3 semester hours
An introduction to snow skiing which permits the student to advance at his own rate. All work conducted at ski site. Offered during Christmas holidays (1 hour credit), and Winter Term (3 hours credit). Extra fees required. (For details, consult Physical Education Department staff.)
- 111. AEROBICS CONDITIONING** 1 semester hour
Progressive development of physiological fitness through aerobics conditioning activities designed to meet the needs of the individual student. Includes cardiovascular, flexibility and strength development.
- 115. LIFEGUARD TRAINING INSTRUCTOR** 1 semester hour
Methods and materials of teaching Red Cross aquatics safety courses from Basic Water Safety through Lifeguard Training. Prerequisite: Lifeguard Training certification.
- 116. OUTWARD BOUND EXPERIENCE** 1-3 semester hours
Course in wilderness survival, including physical survival skills, fitness, cognitive and emotional skills and study of the natural world. Offered as personnel is available.
- 117. EQUITATION I** 1 semester hour
Basic horsemanship and riding skills—walk, trot, canter, first level dressage, introduction to jumping. Special fee \$150.
- 118. EQUITATION II** 1 semester hour
The development of riding skills on the flat; intermediate dressage; jumping skills with gymnastics and course work. Prerequisite: HPEL 117 or permission of instructor. Special fee \$150.
- 119. EQUITATION III** 1 semester hour
The development of the rider as a competitor in the show ring and jumping courses. Prerequisite: HPEL 118 or permission of instructor. Special fee \$150.
- 120. CONTEMPORARY HEALTH PROBLEMS** 3 semester hours
A study of contemporary health problems and issues. Topics for discussion include mental health, drug abuse, human sexuality, physical fitness, nutrition, and diseases.
- 160. FOUNDATIONS OF HEALTH AND PHYSICAL ACTIVITY** 2 semester hours
The study of the immediate and long-term effects of physical activity and the establishment of individualized programs for acquiring and maintaining physical fitness and wellness. Lecture and laboratory experiences. Special needs of students are considered.
- 161, 162. LIFETIME SPORTS SKILLS LABORATORY** 2 semester hours each semester
Methods, materials, techniques and skills in teaching lifetime sports skills. Includes golf,

archery, tennis, badminton, gymnastics, aquatics. Majors and minors only.

208. WATER SAFETY INSTRUCTORS COURSE

3 semester hours

Detailed study of methods and materials used to teach Red Cross swimming and aquatics safety courses. Successful completion qualifies WSI's to teach Infant and Preschool aquatics, progressive swimming courses, basic water safety and emergency water safety. Prerequisites: 17 years old, current certifications for Emergency Water Safety or Lifeguard Training; CPR and First Aid recommended.

209. SKIN AND BASIC SCUBA DIVING

2 semester hours

Designed to teach students the art of skin and scuba diving, including the physics, physiology, mechanics and safe diving practices as well as marine life, environment, dive planning and various aspects of sport diving. Prerequisites: 15 years old, pass a swim test, medical exam and payment of special fees before SCUBA work begins. (\$175 fee.)

211. HISTORY AND PRINCIPLES OF HEALTH AND PHYSICAL EDUCATION

3 semester hours

An introductory study in the history of health education and physical education; philosophical, psychological, physiological, and sociological bases for activity.

212. INTRODUCTION TO LEISURE/SPORTS MANAGEMENT

3 semester hours

A fundamental introduction to leisure and sports management with emphasis on the role and relevance of each to society.

220. FIRST AID

3 semester hours

Emphasis placed upon the prevention and treatment of athletic injuries in various sports. Basic physiological and anatomical functions of the athlete are discussed. Basic first aid and CPR training are offered.

221. SPORTS MEDICINE/FIRST AID (Majors Or Minors Only)

3 semester hours

Emphasis is placed on the prevention and treatment of athletic injuries in various sports. Basic physiological and anatomical functions of the athlete are discussed. Basic first aid and CPR training are included.

263. SPORTS SKILLS LABORATORY

2 semester hours

Methods, materials, techniques and skills in teaching team sports. May include soccer, field hockey, volleyball, basketball, and track and field. Majors and minors only.

265. OFFICIATING

2 semester hours

Designed to provide a thorough study of rules and mechanics of sport officiating. Practical experience in officiating may be provided in the area of the sports selected at the community and little leagues, middle school, and junior varsity levels.

310. MOTOR LEARNING THEORY FOR TEACHING AND COACHING

3 semester hours

Emphasis is placed upon qualities of persons, influencing and controlling behavior during motor activities, vital relationships within the school and community, organization, planning, and learning theories for motor skill development.

312. ADVANCED SPORTS MEDICINE IN ATHLETIC TRAINING

3 semester hours

Advanced topics in Sports Medicine and Athletic Training including pain theory, theory and application of modalities of physical medicine, recognition, evaluation and treatment of athletic injuries, and organization and administration of athletic training. Prerequisite: HPEL 221 or permission of instructor.

321. KINESIOLOGY

3 semester hours

The study of the musculo-skeletal system and biomechanics for physical fitness activities, exercise and sports injuries, and sports skills. Prerequisite: BIO 161.

322. HEALTH OF THE BODY SYSTEMS

3 semester hours

A study of the interdependency of body systems and diseases and conditions that affect human health and well being. Topics of study include communicable and non-communicable diseases,

immune system, dental health, and socio-cultural factors that influence health. Methods of health appraisal and screening will also be investigated. Prerequisite: BIO 161.

323. NUTRITION AND SUBSTANCE ABUSE

3 semester hours

A comprehensive study of nutrition including nutrient basics, digestion, metabolism, vitamins, minerals, supplements, nutritional deficiencies and imbalances. Tobacco, alcohol and drug abuse will also be studied with emphasis placed on psychosocial implications, prevention, and rehabilitation.

324. LEISURE AND AGING

3 semester hours

Examines the needs and characteristics of the older adult as related to leisure needs. Focus is on problems inherent in leisure service delivery systems for aging clientele. (HPEL 324 is the same as HUS 324.)

325. COMMERCIAL LEISURE/SPORTS MANAGEMENT

3 semester hours

The study, development and current role of the commercial leisure industry (including commercial sports management). Emphasis will be placed upon the recreation as well as economic relevance in modern society.

326. LEISURE/SPORT FACILITIES PLANNING AND MAINTENANCE MANAGEMENT

3 semester hours

Designed to emphasize the necessity of proper planning and maintenance in the total leisure/sport management scheme; includes evaluation in planning, construction and operation of facilities.

327. LEISURE/SPORT LEADERSHIP AND PROGRAMMING

3 semester hours

The principles of leadership and group dynamics as they pertain to recreation, parks, commercial leisure and sports management. The components and application skills of leisure programming will be emphasized.

328. EMERGENCY SITUATIONS

2 semester hours

A practical course designed to instruct the student in how to handle life threatening situations common to athletics. Standard Red Cross/First Aid and CPR certification are offered. Prerequisite: HPEL 221.

329. MODALITIES/THERAPEUTIC REHABILITATION

2 semester hours

A study in the theoretical principles and practical application techniques of modalities and therapeutic rehabilitation is offered. The courses mix classroom lecture and hands-on experience to facilitate the understanding of modalities and therapeutic rehabilitation. Prerequisite: HPEL 221.

342. METHODS OF COACHING FOOTBALL

2 semester hours

A study of appropriate terms, drills, methods, and strategy for coaching football.

343. METHODS OF COACHING BASKETBALL

2 semester hours

A study of appropriate terms, drills, methods, and strategy for coaching basketball.

344. METHODS OF COACHING TRACK AND FIELD AND BASEBALL

2 semester hours

A study of appropriate terms, drills, methods, and strategy for coaching track and field and baseball.

345. METHODS OF COACHING SOCCER AND VOLLEYBALL

2 semester hours

A study of appropriate terms, drills, methods, and strategy for coaching soccer and volleyball.

347. METHODS OF COACHING WRESTLING

2 semester hours

A study of appropriate terms, drills, methods, and strategy for coaching wrestling.

360. ELEMENTARY SCHOOL PHYSICAL EDUCATION (K-6)

3 semester hours

Emphasis placed on movement education and basic skills teaching with opportunity for laboratory experience.

361. MIDDLE SCHOOL PHYSICAL EDUCATION (6-9)

3 semester hours

Designed for middle school teachers of Physical Education. Various teaching methods, including

a movement approach, for teaching basic skills and specific sports skills are explored. Opportunity is given for laboratory experience.

362. HEALTHFUL LIVING IN THE ELEMENTARY SCHOOL **3 semester hours**

Provides a study of health, safety and physical education needs of elementary children and their integration within the curriculum, includes content and methodology.

363. METHODS AND MATERIALS OF GYMNASTICS **2 semester hours**

A study of gymnastics teaching methods for the secondary and elementary school levels. Skill development, teaching techniques, and safety procedures are emphasized. Prerequisite: HPEL 162 or permission of instructor.

365. METHODS AND MATERIALS OF DANCE **3 semester hours**

Fundamental movements, basic rhythmic techniques and basic dance steps. Includes folk dance, social dance, square dance, and creative dance, with emphasis on teaching methodology at the elementary and secondary school levels.

410. ORGANIZATION AND ADMINISTRATION OF HEALTH, PHYSICAL EDUCATION AND ATHLETICS **3 semester hours**

A study of appropriate organizational and administrative techniques needed to design and implement programs of physical education, health, intramurals, and athletics in schools, colleges and sport organizations.

411. MEASUREMENT AND EVALUATION IN HPEL **3 semester hours**

Organization and interpretation of data from tests with and without the use of software packages, study and administration of youth and adult physical fitness tests, sports skill tests, and an overview of affective testing.

412. CONSUMERISM AND COMMUNITY HEALTH **3 semester hours**

An analysis of health products, services and factors that influence personal choice in the health marketplace. A panoramic view of American health systems by exploring problems, forces, issues and trends that are changing the health system.

413. ATHLETIC INJURY ASSESSMENT I **3 semester hours**

Designed to allow students to gain practical, hands-on experience in the evaluation of athletic injuries common in fall sports. Students will have the opportunity in a small group setting to evaluate athletic injuries and discuss treatment options under the supervision of a certified athletic trainer and/or orthopedic physician. Prerequisite: HPEL 312.

414. ATHLETIC INJURY ASSESSMENT II **3 semester hours**

Same as HPEL 413 except for injuries that are common in the spring sports.

422. PHYSIOLOGY OF EXERCISE **4 semester hours**

The study of the immediate and long-term effects of exercise on the body including the integration of the various bodily systems as a result of exercise; includes the role of nutrition and exercise in weight management. Laboratory activities include aerobic capacity testing, determination of body composition.

423. PHYSICAL EDUCATION FOR THE EXCEPTIONAL CHILD **3 semester hours**

A presentation of the various types of handicapped conditions of children and young adults and the modes in which physical education can be adapted to meet the specific needs and interests of these groups. Spring semester only.

425. OUTDOOR RECREATION SERVICES **3 semester hours**

A study of outdoor recreation policies, programs and activities. Contemporary issues and environmental quality are also emphasized.

461. SEMINAR IN ATHLETIC COACHING (Offered as needed.) **3 semester hours**

471. SENIOR SEMINAR **2 semester hours**

Provides an opportunity for students to review their major work education and to demonstrate the ability to analyze contemporary issues/problems in leisure and sports management.

481. INTERNSHIP IN SPORTS MEDICINE (Two 3-hour courses) **6 semester hours**

482. INTERNSHIP IN LEISURE/SPORTS MANAGEMENT**6 semester hours****491. INDEPENDENT STUDY****1-3 semester hours**

HISTORY

Chair, Department of History: Professor Crowe*Professors:* G. Troxler, C. Troxler*Associate Professor:* Midgette*Assistant Professors:* Welch, Lansen, Digre, Bissett, L. Rich, Melton*Part-time:* Delp, Wingfield

A major in History requires History 111, 112, 211, 212, one History seminar course, plus 24 semester hours of electives in History which must include 18 semester hours at the junior-senior level. A major in History also requires 3 semester hours from English 201, 202, 203, or 204 and 3 semester hours from Communications 210, Foreign Language (111 or above), or English 314.

History majors receiving teacher certification must have Geography 131 and Political Science 131 in addition to the required professional education courses.

A minor in History requires a minimum of 21 semester hours of History, which includes History 111, 112, 211, 212 and 9 semester hours of History from the junior-senior level.

111, 112. HISTORY OF WESTERN CIVILIZATION**3 semester hours each semester**

European history from the era of pre-history to the present. The cultural and social development of the various ancient and European cultures is given equal emphasis with the course of events in political and economic spheres. History 111 covers the period from pre-history to the year 1660; History 112, the years 1660 to the present.

211, 212. AMERICAN HISTORY**3 semester hours each semester**

American history from the period of discovery and colonization to the present. History 211 covers the period from discovery to 1864; History 212, the years from 1865 to the present.

251. HISTORY STUDIES ABROAD**3 semester hours**

A specialized study for those participating in abroad programs. Opportunities include England, Russia, China, and Eastern Europe.

311, 312. HISTORY OF ENGLAND**3 semester hours each semester**

English history from the time of Britain's first contacts with the Roman world to the present. History 311 is a survey of English history to 1603; History 312 covers the period from 1603 to the present. Prerequisites: HST 111, 112 or permission of instructor.

313. LATIN AMERICA: COLONIAL AND EARLY NATIONAL PERIODS**3 semester hours**

The Americas south of the Rio Grande from the arrival of Europeans until most of the area established modern political patterns. Major topics include Spanish and Portuguese exploration and settlement, the interaction of Indian and Iberian cultures, the formation of colonial societies, and independence movements. Prerequisite: HST 111 or 211 or permission of instructor.

314. LATIN AMERICA IN THE TWENTIETH CENTURY**3 semester hours**

A regional framework is used to explore social, political, economic and cultural developments in the Americas south of the Rio Grande. Major focus is on the period since 1910 and the social and political tensions of individual nations today. Prerequisite: HST 112, 212 or permission of instructor.

315. THE HISTORY OF RUSSIA TO 1917: THE IMPERIAL PERIOD**3 semester hours**

A survey of Russian history from the founding of the Russian state to the fall of the Romanov dynasty in 1917. Prerequisite: HST 111 or 112 or permission of instructor.

316. THE HISTORY OF RUSSIA SINCE 1917: THE SOVIET PERIOD**3 semester hours**

A detailed study of the personalities and political movements that have been important in Russia

since the time of Lenin. The course will strongly emphasize Soviet domestic policies and their impact upon Russia and the world. Prerequisite: HST 112 or permission of instructor.

321. HISTORY OF MODERN CHINA

3 semester hours

A history of Chinese civilization from the beginning of the Manchu Dynasty in 1644 to the present day. The course examines the impact of China's ancient cultural and philosophical heritage on its modern history and explores the future of China in the modern world.

341. UNITED STATES FOREIGN POLICY TO 1939

3 semester hours

Diplomatic history of the United States from the Revolution to the outbreak of World War II. Emphasis is on the political and constitutional influences on United States foreign relations and the evolution of major policies. Prerequisite: HST 211, 212 or permission of instructor. (HST 341 is the same as PS 341.)

342. UNITED STATES FOREIGN POLICY SINCE 1939

3 semester hours

(Same course as PS 342. See PS 342 for description.)

343. SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES

3 semester hours

A study of influential trends arising from the experience of the American people in developing a national character. Particular attention is devoted to an analysis of philosophical, economic, literary and educational evolution of the nation from the colonial to the modern period. Prerequisite: HST 211, 212 or permission of instructor.

344. THE SOUTH IN AMERICAN HISTORY

3 semester hours

Focus is on factors that produced southern distinctiveness and the implications of this regional consciousness. Areas of emphasis include antebellum era, effects of Civil War and Reconstruction, sub-cultural persistence, Civil Rights movement, and emergence of the modern sunbelt. Prerequisite: HST 211 or 212, or permission of instructor.

345. AMERICAN MILITARY HISTORY

3 semester hours

A course in the military history of the U.S. from 1775 to the present designed to help the student understand the role the military has played in American society. The course includes the military as a social class and the study of military principles, as well as campaigns and battles of major American wars. Prerequisites: HST 211, 212 or permission of instructor.

346. NORTH CAROLINA HISTORY

3 semester hours

The history of North Carolina from the first discoveries of the area to the present. Prerequisites: HST 211, 212.

347. HISTORY OF WOMEN IN THE U.S.

3 semester hours

This course will focus on the roles and influences of women in the United States, primarily during the centuries since nationhood was established. Students will examine the political, social, familial, and working patterns of women, within the context of American and Western history as a whole.

348. UNITED STATES SINCE 1933

3 semester hours

Recent American history with emphasis on the political, social, and intellectual forces which shaped America since the Great Depression. Prerequisite: HST 212 or permission of instructor.

353. EUROPE IN TRANSFORMATION, 1100-1600

3 semester hours

A study of Europe in the High Middle Ages and the Early Modern Period. It examines the development of medieval political, economic and social institutions and the role of the Catholic Church in European society and also the development of the Renaissance and its impact on the Protestant and Catholic Reformations. Prerequisite: HST 111 or permission of instructor.

354. EUROPE 1600-1791

3 semester hours

A study of forces and movements converging in the American, French and Industrial Revolution. Major topics include the birth of modern science; the religious, social and political conflicts of the 17th century; the divergent growth of absolutism and constitutionalism; colonial rivalries; and the Enlightenment. Prerequisite: HST 112 or permission of instructor.

355. NINETEENTH CENTURY EUROPE 1791-1914

3 semester hours

Political, social, economic and cultural developments with particular attention to the national

and international problems, especially development of the principles of nationalism, liberalism, and imperialism. Prerequisite: HST 112 or permission of instructor.

357. TWENTIETH CENTURY EUROPE, 1914 TO PRESENT **3 semester hours**

Contemporary global developments with special emphasis on the development and conflicts of democracy and dictatorship, two World Wars, and the problems and background of current history. Prerequisite: HST 112 or permission of instructor.

358. CANADA: HISTORY AND CULTURES **3 semester hours**

An introduction to the history of Canada and its contemporary cultural and political life.

359. EARLY NATIONAL PERIOD:

FORCES THAT SHAPED THE UNITED STATES, 1787-1840 **3 semester hours**

A look at the major political, social, and economic forces that shaped the history of the U.S. under its first seven presidents.

360. A HISTORY OF THE HOLOCAUST **3 semester hours**

The purpose of this course is to look at the evolution of Adolph Hitler's antisemitic policies, culminating in the Final Solution which was designed to eliminate all Jews and other selected ethnic minorities under Nazi control.

361. MODERN JAPAN **3 semester hours**

This course will explore the history of the Japanese nation and its people from the beginning of the Tokugawa Shogunate in the second half of the 17th century until today.

362. SEMINAR: AMERICAN REVOLUTION, 1763-1789 **3 semester hours**

Beginning with colonial resistance to British policy and concluding with the framing of the Constitution, emphasis is given to the philosophical basis of the revolution, military history, and political developments. Prerequisite: HST 211 or permission of instructor.

363. SEMINAR: AMERICAN CIVIL WAR **3 semester hours**

The course begins with an examination of the causes of the Civil War and culminates in a study of the conflict and leaders of the era. Prerequisites: HST 211, 212 or permission of instructor.

365. SEMINAR: AMERICAN SOCIAL REFORM **3 semester hours**

A study of primary and secondary sources relating to the movements which have caused social change in the United States from the period of the American Revolution to the present. Temperance, antislavery, communitarianism and minority rights are among the topics explored. Prerequisites: HST 211, 212 or permission of instructor.

367. SEMINAR: ENGLAND IN THE AGE OF HENRY THE EIGHTH **3 semester hours**

Tudor England from the accession of Henry the Seventh in 1485 to the death of Elizabeth I in 1603. For individual exploration and discussion, students select topics relating to the new sovereignty, Crown-Parliament relations, the growth of Protestantism, social change, and commercial expansion. Prerequisite: HST 111 or permission of instructor.

369. SEMINAR: SOVIET UNION **3 semester hours**

A study of the Soviet Union from 1917 to the present day. Sessions focus on selected topics and readings with emphasis on major historical trends in the Soviet past that relate to current Soviet policies and international relations. Prerequisite: HST 112 or permission of instructor.

471. SEMINAR: SPECIAL TOPICS **3 semester hours**

A specialized study of topics or themes in history. Prerequisite: Permission of instructor.

481. INTERNSHIP IN HISTORY **3 semester hours**

An orientation program to familiarize students with careers in archives, records, historic sites, and museum administration; archaeology, the preservation of historic properties, and historical publications. Includes an orientation program and an internship of 10 hours per week for 10 weeks. Prerequisite: 18 semester hours of history. Offered spring semester.

491. INDEPENDENT STUDY **3 semester hours**

Open to history majors and minors who have junior or senior standing or by permission of instructor.

HUMAN SERVICES

Chair: Assistant Professor Kiser

Professors: Brogan, Granowsky

Associate Professor: Higgs

Assistant Professor: Fromson

A major in Human Services requires Human Services 211, 212, 381, 411, 412, 413, 471, 481; two additional three semester hour courses selected from Human Services offering (one of which may be Mathematics 265 or Social Sciences 312 or Economics 246); and 15 semester hours (at least nine at 300-400 level) selected from Psychology and/or Sociology.

A major in Human Services prepares the graduate to work in society's many social welfare subsystems—health, education, mental health, welfare, family services, corrections, child care, vocational rehabilitation, housing, community service, and the law.

Prior to taking Human Services 381 students must be approved by the Human Services Screening Committee. Applications for the practicum are available in the office of the department chairman and must be submitted no later than October 1. A minimum grade point average of 2.10 is required to be eligible for practicum.

All other major requirements must be completed prior to taking Human Services 481. Students who enroll in Human Services 481 may not take any courses other than the prescribed block courses. Applications for taking the Internship must be submitted no later than March 1. A minimum grade point average of 2.20 is required to be eligible for block courses—Internship sequence.

A concentration in Social Work requires six hours selected from Human Services 231, 431 or 435; and Human Services 381 and 481. Human Services 381 and 481 must both be taken in a social work setting.

A concentration in Gerontology requires Human Service 211, 241, 324, 345, and 381. Human Services 381 must be taken in a facility or program for the elderly.

A minor in Human Services requires Human Services 211, 212, 381; Psychology 211 or Sociology 111; and two courses selected from Human Services 231, 431 and 435.

101. LEADERSHIP

2 semester hours

A study-practical experience course designed to increase knowledge and skills in leadership development. This course is appropriate for emerging as well as established leaders.

102. PEER COUNSELING

2 semester hours

A study-practical experience course designed to develop competency in interpersonal relations, to present the residence hall as a community, and to gain an understanding of personal and community problems. Open to all students and required of all Resident Assistants.

211. INTRODUCTION TO HUMAN SERVICES

3 semester hours

A study of the history and values of the human services profession, the worker-client relationship, and the helping process. Special emphasis is given to the qualities, skills and roles of the human services worker. A minimum of 25 hours of field work in an approved human services setting is required.

212. METHODS IN HUMAN SERVICES

3 semester hours

Designed to increase knowledge and skills in interviewing, individual counseling, group work, family work and community organization. A minimum of 30 hours of field work in an approved human services setting is required. Prerequisite: HUS 211.

221. EXPLORATIONS IN HUMAN SERVICES**3 semester hours**

This course explores the various populations of human service consumers and the programs and services available to these populations. Critical reflection upon the various issues, concerns, and controversies related to specific service areas is encouraged.

231. SOCIAL GROUP WORK**3 semester hours**

Designed to increase knowledge and skills in organizing, analyzing and working with human services groups. Special emphasis is given to group dynamics, group structure and the group worker role. Prerequisite: HUS 211 or SOC 111.

241. INTRODUCTION TO AGING**3 semester hours**

An introduction to the field of gerontology. Emphasis is placed on the biological, sociological and psychological aspects of aging.

324. LEISURE AND AGING**3 semester hours**

(Same course as HPEL 324. See HPEL 324 for description.)

345. ISSUES IN AGING**3 semester hours**

Current issues in gerontology, including topics such as retirement, living environments, sexuality and finances.

381. PRACTICUM IN HUMAN SERVICES**3 semester hours**

Preliminary field experience. Prerequisites: HUS 211, 212.

411. ADMINISTRATION, SUPERVISION AND FINANCE OF HUMAN SERVICES AGENCIES**3 semester hours**

Principles and techniques in the administration of human services. Planning, staff selection, budgeting, financing, management, working with boards and volunteer groups. Prerequisites: HUS 211, 212.

412. PROFESSIONAL COMMUNICATION**3 semester hours**

An in-depth study of interviewing and writing skills which are essential to the human services worker. Prerequisites: HUS 211, 212.

413. CURRENT ISSUES AND TRENDS IN HUMAN SERVICES**3 semester hours**

Current issues and trends including gerontology, services to the terminally ill and their families, responding to the client with special needs in areas such as sexuality and domestic violence, current legislation, and professional burnout. Prerequisites: HUS 211, 212.

431. PRINCIPLES OF COUNSELING**3 semester hours**

Counseling techniques for persons who will work in the helping professions. Includes psychodynamics of behavior and the principles of individual and group counseling.

435. FAMILY COUNSELING**3 semester hours**

Emphasis is given to the methods of family counseling used by human service practitioners. Techniques include role plays and presentations by area professional counselors.

471. SEMINAR: SPECIAL TOPICS**3 semester hours****481. INTERNSHIP IN HUMAN SERVICES****6 semester hours**

This course provides the student with actual experience in a human service agency on a full-time basis for 7-8 weeks.

491. INDEPENDENT STUDY**1-3 semester hours****JOURNALISM**

The journalism program is listed under Communications.

MATHEMATICS

Chair, Department of Mathematics: Associate Professor Reichard

Professors: Francis, W. Hightower, R. Haworth

Associate Professors: Alexander, Barbee, Speas

Assistant Professor: Richardson, Gersdorff

Instructors: Crawford, C. Holt, Craft

Part-time Instructors: Walton, Dyer

A major in Mathematics requires Mathematics 112, 121, 221, 241, 311, 312, 321, 425, 461; 9 additional semester hours of Mathematics at the 300-400 level (excluding 481); CS 130; CS 135 and Physics 113, 114, 115, 116.

For the student planning to teach mathematics required courses are Mathematics 112, 121, 221, 241, 311, 312, 321, 331, 341, 425, 461; CS 130, CS 135; and Physics 113, 114, 115, 116, in addition to the required professional education courses.

A minor in Mathematics requires Mathematics 112, 121, 221, 241, 311, and one additional 3- or 4-semester-hour course selected from computing sciences, Economics 246, or a mathematics course numbered 200 or above (excluding 261, 262, 481).

A student may exempt Math 111 and/or 112 by demonstrating proficiency.

✓ **100. INTERMEDIATE ALGEBRA** **3 semester hours (class meets 5 hours a week)**

A course designed to strengthen the fundamental algebraic concepts of exponents, factoring, equation and inequality solving, algebra fractions, radicals and applications. This course or a demonstrated competence is required of all students. This course is not applicable to the general studies requirements. No credit is given to students having passed Math 111, or a course for which Math 111 is a prerequisite. A final grade of "C" is prerequisite for registration for any higher math course.

✓ **111. COLLEGE ALGEBRA** **3 semester hours**

Topics include sets, real numbers, equations, inequalities, exponents, polynomials, rational expressions, relations, functions, and graphs.

112. TRIGONOMETRY AND ELEMENTARY FUNCTIONS **3 semester hours**

A study of basic functions and their applications. Topics include trigonometric, circular, exponential, logarithmic and inverse functions; trigonometric identities. Prerequisite: MTH 111 or competency.

121. CALCULUS AND ANALYTIC GEOMETRY I **4 semester hours**

Introduction to analytic geometry; functions; limits and continuity; differentiation of algebraic functions with applications; introduction to the definite integral; the fundamental theorem of integral calculus. Prerequisite: MTH 111 or competency.

160. TOPICS AND APPLICATIONS OF FINITE MATHEMATICS **3 semester hours**

Topics covered include matrices, linear systems, linear programming, probability, counting problems and elementary statistics.

165. APPLIED MATHEMATICS WITH CALCULUS **3 semester hours**

Topics include matrices, probability, functions, limits, derivatives and applications of derivatives. Credit will not be given to students who have passed or been exempted from Mathematics 121. Prerequisite: MTH 111 or competency.

221. CALCULUS AND ANALYTIC GEOMETRY II **4 semester hours**

Applications of the definite integral; differentiation and integration of transcendental functions; techniques of integration; indeterminate forms; improper integrals; plane curves and polar coordinates. Prerequisites: MTH 112 and 121.

241. LOGIC AND DISCRETE MATHEMATICS **3 semester hours**

An introduction to Discrete Structures including logic, sets, Boolean algebra, Combinatorics, mathematical induction, relations, functions, recursion and graphs. Prerequisite: MTH 121 or 165.

261. MATHEMATICS FOR ELEMENTARY AND MIDDLE GRADES TEACHERS**3 semester hours**

A content course open only to students majoring in elementary or middle grades education. Topics include problem solving, numeration systems, set theory, whole numbers (concepts, operations, properties, and algorithms), estimation, and selected topics in geometry, measurement, and statistics.

262. MATHEMATICS FOR ELEMENTARY AND MIDDLE GRADES TEACHERS**3 semester hours**

A content course open only to students majoring in elementary or middle grades education. Topics include problem solving, estimation, number theory, rational and irrational numbers (concepts, operations, properties, and algorithms), percent, ratio and proportion, probability, and selected topics in geometry and measurement. Prerequisite: Math 261 for elementary education majors.

265. ELEMENTARY STATISTICS**3 semester hours**

A course in elementary statistics for students needing a general overview of modern statistics. Topics include organization of data, probability, measures of central tendency and variability, binomial and normal distributions, sampling, tests of hypothesis, estimation, correlation, regression and chi-square. Prerequisites: MTH 111 (or higher). Credit will not be given for both MTH 265 and ECO 246.

311. LINEAR ALGEBRA**3 semester hours**

An introductory course in linear algebra covering the following topics: vectors, vector spaces, matrices, determinants, systems of linear equations, and linear transformations. Prerequisite: MTH 221, 241.

312. MODERN ALGEBRA**3 semester hours**

An introductory course in abstract algebra covering major elementary aspects of the subject; properties of the integers, congruence, the real and complex number systems, integral domains, rings, fields, groups and polynomials. Prerequisites: MTH 241, 311.

315. NUMERICAL ANALYSIS**3 semester hours**

(Same course as CS 315. See CS 315 for description.)

321. CALCULUS AND ANALYTIC GEOMETRY III**4 semester hours**

Infinite sequences and series; three dimensional analytic geometry including vectors; differentiation and integration of multivariable functions; applications. Prerequisite: MTH 221.

331. MODERN GEOMETRY**3 semester hours**

A rigorous treatment of the axiomatic foundations of Euclidean geometry through Hilbert's axioms; the role and independence of the parallel postulate, revealed through models and neutral geometry; historical and philosophical implications of the discovery of non-Euclidean geometry with an introduction to both hyperbolic and elliptic geometry. Prerequisite: MTH 241.

341. PROBABILITY THEORY AND STATISTICS**3 semester hours**

Axiomatic probability; counting principles; discrete and continuous random variables and their distributions; sampling distributions and the central limit theorem. Prerequisite: MTH 221.

351. THEORY OF COMPUTATION**3 semester hours**

(Same course as CS 351. See CS 351 for description.)

421. DIFFERENTIAL EQUATIONS**3 semester hours**

Methods of solving and applications of ordinary differential equations. Prerequisite: MTH 321.

425, 426. ANALYSIS**3 semester hours each semester**

A rigorous study of the real numbers, sequences, series, limits, continuity, differentiation and integration. Prerequisites: MTH 312, 321.

461. SENIOR SEMINAR**3 semester hours**

A capstone experience for mathematics majors during their senior year of college work. Students will participate in research and presentation experiences on topics selected by the instructor

and students. Emphasis will be placed on collection, organization, and presentation of advanced mathematical topics. Prerequisite: Senior standing or permission of the Mathematics Department.

471. SPECIAL TOPICS

3 semester hours

Topics selected to meet the needs and interests of the student. Open to senior mathematics majors and others by permission of the department.

481. INTERNSHIP IN MATHEMATICS

1-3 semester hours

Work experience at an advanced level in some aspect of the mathematical sciences. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: Permission of the Mathematics Department.

491. INDEPENDENT STUDY

1-3 semester hours

Prerequisite: Permission of the mathematics staff. May be repeated with different topics. Maximum total credit, 8 semester hours.

MEDICAL TECHNOLOGY

Chair, Department of Biology and Allied Health; Professor H. House
Medical Director and Acting Program Director: Steuterman
College Program Director: House

The medical technologist is responsible for laboratory management as well as the analysis of various body fluids and other biological specimens. The results of these tests enable physicians to diagnose and treat their patients properly.

The medical technology curriculum involves undergraduate preparation at Elon College and completion of the clinical curriculum at Moses H. Cone Memorial Hospital, where the affiliated hospital-based program is located.

Admission to the affiliated program is competitive, based on overall GPA, biology and chemistry GPA, evaluations by faculty and personal interview. Upon successful completion of the hospital program, the student is awarded a Bachelor of Science degree in Medical Technology. Students who are not admitted into an MT program are able to complete a biology degree at Elon College and re-apply to one of the affiliated programs.

The requirements for the Bachelor of Science in Medical Technology are as follows: Biology 111, 113, 221, 312, 321, 341, 425; Chemistry 111, 112, 113, 114, 321, 322; Physics 111, 112, 115, 116; a one-hour course in immunology and completion of the clinical curriculum at Moses H. Cone Memorial Hospital.

MILITARY SCIENCE

Chair, Department of Military Science: Haynes
Assistant Professor: Coleman
Instructor: Thornton

Elon College, in cooperative agreement with North Carolina A&T State University, offers an Army Reserve Officers Training (ROTC) program.

The Army Reserve Officers Training Corps Program provides a viable elective program for both male and female students. It is divided into a basic course and an advanced course which are normally completed during a four-year period. However, it is possible for veterans and other students who elect to undergo special training to complete the program in two years.

Programs of Instruction: Programs of instruction for the Army ROTC include a four-year program and a two-year program. The four-year program consists of a two-year basic course, a two-year advanced course and the advanced ROTC Summer Camp. The two-year program encompasses a basic ROTC Summer Camp, a two-year advanced course and the advanced ROTC Summer Camp.

Basic Course. The basic course is normally taken during the freshman and sophomore years. The purpose of this instruction is to introduce the student to basic military subjects: branches of the Army; familiarization with basic weapons; equipment and techniques; military organization and functions; and the techniques of leadership and command. It is from the students who successfully complete this instruction that the best qualified are selected for the advanced course which leads to an officer's commission. Credit for the basic course can be obtained by successful completion of Military Science 111, 112, 141, 142, 211, 212, 241, and 242. Successful completion of Military Science 251, or prior service in the Armed Forces, can be used to obtain appropriate credit for the basic course.

Advanced Course: Students who receive appropriate credit for the basic course and meet eligibility standards are admitted to the advanced course on a best-qualified basis. Successful completion of the advanced course qualifies the student for a commission as a Second Lieutenant in one of the branches of the United States Army, Army Reserves, or Army National Guard. The following courses are required for completion of the advanced course: Military Science 311, 312, 341, 342, 351, 411, 412, 441, and 442.

Two-Year Program: This program is designed for junior college students or sophomores at four-year institutions who have not taken ROTC. A basic six-week summer training period after the sophomore year takes the place of the basic course required of students in the traditional four-year program. When a student with two years of college has successfully completed the basic summer training, he is eligible for the advanced ROTC course in his junior and senior years. The advanced course, which leads to an officer commission, is the same for students in either the four-year program or the two-year program.

111. INTRODUCTION OF CITIZEN/SOLDIER

1 semester hour

An introduction to the mission, organization, and history of ROTC; military leadership principles; discussion of military customs and courtesies.

112. INTRODUCTION TO UNITED STATES MILITARY FORCES

1 semester hour

Provides an introduction and early development to leadership and soldier skills. The scope of training includes leadership, drill and ceremonies, first aid and general military subjects.

141, 142. LEADERSHIP LABORATORY

1 semester hour each semester

Encompasses hands-on, practical training in basic military skills, drill and ceremonies, first aid, and conducting inspections; individual arms and marksmanship techniques are also covered.

211. DEVELOPMENT OF PROFESSIONAL MILITARY SKILLS

1 semester hour

Stresses the oral and written communication skills needed to serve effectively as a military officer. Includes writing in the Army style and conducting military oral briefings. Encompasses the basic aspects of land navigation using a map and compass.

212. BRANCHES OF THE ARMY AND LEADERSHIP PRINCIPLES

1 semester hour

An orientation on each branch of the Army to acquaint students with the career opportunities

available to the ROTC graduate. Additionally, an appreciation is developed for the applicability of effective leadership counseling, communications, and use of appropriate leadership styles.

241, 242. LEADERSHIP LABORATORY

1 semester hour each semester

Emphasizes the functions, responsibilities, and duties of junior non-commissioned officers with particular attention devoted to the continued development of leadership potential.

251. ARMY ROTC BASIC CAMP

4 semester hours

Six weeks of training at Fort Knox, Kentucky. Training consists of Army history, role and mission, map reading/land navigation, rifle marksmanship, basic leadership techniques, physical training/marches, individual and unit tactics, communications. This course can be taken by rising juniors to substitute for MS 111, 112, 141, 142, 211, 212, 241, and 242. Prerequisite: Pass qualification tests.

311. LEADERSHIP TRAINING

2 semester hours

Special emphasis on combat leadership. Instruction includes squad and platoon tactics, conducting reconnaissance missions; patrolling procedures and preparing operation orders.

312. INTRODUCTION TO MILITARY TEAM THEORY

2 semester hours

A comprehensive look at the fundamentals of offensive and defensive tactics. Instruction incorporates advanced land navigation skills using a map and lensatic compass.

341, 342. LEADERSHIP LABORATORY

1 semester hour each semester

Designed to develop further leadership potential by encouraging participation in planning and conducting drills and ceremonies with emphasis directed to the functions, duties, and responsibilities of senior non-commissioned officers and junior grade commissioned officers.

351. ARMY ROTC ADVANCED CAMP

4 semester hours

Normally taken the summer following the junior year. The training is conducted at designated United States Army installations. This internship is six weeks in duration. Prerequisite: MS 312.

411. SEMINARS IN LEADERSHIP AND PROFESSIONAL DEVELOPMENT

2 semester hours

Staff and organizational skills and techniques are reviewed with emphasis on oral and written communications; includes an introduction to unit training management and personnel administration.

412. ADVANCED MILITARY TEAM THEORY

2 semester hours

Application of interpersonal skills; advanced leadership techniques; a study of Army installations and organizations; ethics and professionalism; introduction to the military law and justice system.

441, 442. LEADERSHIP LABORATORY

1 semester hour each semester

Emphasizes the function, duties and responsibilities of junior Army officers with special attention directed to developing advanced leadership potential through active participation in planning and conducting military drill ceremonies.

451. AIRBORNE TRAINING

3 semester hours

Three weeks of intensive airborne training to include physical conditioning, landing techniques, parachute safety, simulated jumps, procedures in and around aircraft, and five combat jumps from Air Force aircraft at 1250 feet. Prerequisite: Selection for this training is highly competitive. Only a few cadets, nationwide, are accepted.

MUSIC

Chair, Department of Music: Professor Bragg

Associate Professor: Ten Eyck

Assistant Professors: Fischer, McNeela

Instructor: Erdmann

Part-time Professors: Artley, Oehler

Part-time Instructors: King, Sullivan, Dula, Johnson, Cykert, Hauser, Metzger, LaRocco, Reed, Waddell

Requirements for the Major in Music

A major in Music for the A.B. degree requires Music 111, 112, 113, 114, 211, 212, 213, 214, 313, 315, 316, 413, a choice of 411, 366 or 360; a minimum of 8 semesters of ensemble (Music 101, 102, 103), and keyboard proficiency and concert attendance as outlined in the *Music Student Handbook*. Applied music requirements are met when the student has completed at least one semester at the 400-level in his or her major performance medium and has presented a formal solo recital which is accepted by the music faculty.

Requirements for the Major in General Music

A major in General Music for the A.B. degree has the same courses, ensemble, keyboard proficiencies and concert attendance requirements as the major in Music. A formal solo recital is not required; however, the student must complete at least one semester at the 300-level in his or her performing medium. This major should not be elected by students planning careers as performers or as teachers in the public schools. However, it is appropriate for students who desire to pursue graduate study in theory, composition, or musicology.

Requirements for the Major in Music Education

Candidates for state certification for teaching music in the public schools should enroll in the program leading to a B.S. degree in Music Education. This program requires Music 111, 112, 113, 114, 211, 212, 213, 214, 313, 315, 316, 361, 362, 363, 364, 365, 366, 411, 413, 461-462, a minimum of 6 semesters of applied study, 8 semester hours of ensemble (Music 101, 102, 103; see *Music Student Handbook* for required distribution of hours), and keyboard proficiency and concert attendance as outlined in the *Music Student Handbook*. The student must also complete the required professional education courses. Applied music requirements are met when the student has successfully completed at least one semester at the 300-level in his or her performance medium and has presented a half-recital which is accepted by the music faculty. Students must observe the requirements for the teacher education program as outlined under Education.

Candidates for state certification who also meet requirements for the A.B. degree in Music will be awarded the B.S. degree in Music and Music Education.

Requirements for the Music Minor

A minor in Music requires Music 111, 112, 113, 114, 301, 8 semester hours in one medium of applied music instruction, 4 semester hours in ensemble (any combination of Music 101, 102, 103). Students lacking functional knowledge of keyboard must accumulate 2 semester hours in piano either prior to, or simultaneously with, their enrollment in Music 111, 112, 113, 114.

General Regulations

Department procedures, policies, and additional requirements are outlined in the *Music Student Handbook*, which can be obtained from the chairman of the Department of Fine Arts. Music majors and minors should request a copy upon enrollment.

Applied Music—Individual and Group Instruction

Music majors and minors register for the appropriate level and area of applied music study as determined by audition and consultation with their advisor or the chairman. With permission of the chairman of the Department of Fine Arts, the general college student may register for any course in applied music. One semester hour credit may be earned for a thirty-minute lesson per week. Two semester hours credit may be earned for a sixty-minute lesson per week. *Special fees applicable to applied music lessons are described on page 33.*

Applied Music Levels

Piano: 120, 220, 320, 420	Tuba: 127, 227, 327, 427	Viola: 134, 234, 334, 434
Organ: 121, 221, 321, 421	Flute: 128, 228, 328, 428	Cello: 135,235,335,435
Voice: 122, 222, 322, 422	Oboe: 129, 229, 329, 429	String Bass: 136, 236, 336, 436
Trumpet: 123, 223, 323, 423	Clarinet: 130, 230, 330, 430	Guitar: 137, 237, 337, 437
French Horn: 124, 224, 324, 424	Bassoon: 131, 231, 331, 431	Percussion: 138, 238, 338, 438
Trombone: 125, 225, 325, 425	Saxophone: 132, 232, 332, 432	
Baritone (Euphonium): 126, 226, 326, 426	Violin: 133, 233, 333, 433	

Applied Music Classes—Group Instruction

- 152,153. VOICE CLASS I & II
Group voice instruction (beginning and intermediate).

1 semester hour each semester
- 154-157. PIANO CLASS I-IV
Group piano instruction ranging from beginning to intermediate.

1 semester hour each semester
158. GUITAR CLASS
This group course is for absolute beginners who want to develop musical skills with the guitar as the instrument. Using elements of classical guitar techniques as a foundation, the students will be able to play simple chords, melodies and songs.

1 semester hour
- 258, 259. DICTION FOR SINGERS
Required of voice majors.

1 semester hour

Music Materials, Structures and Techniques

111, 112. THE MATERIALS OF MUSIC I & II

3 semester hours

A study of the fundamentals of music, diatonic harmony and elementary voice-leading and part-writing, introduction to harmonic-melodic form, analysis and synthesis of harmonic practices through the dominant seventh and its inversions. MUS 111 prerequisite for MUS 112.

113, 114. MUSIC SKILLS LAB I & II

1 semester hour each semester

Melodic-harmonic-rhythmic dictation, sight singing and keyboard study. Designed to be taken in conjunction with Music 111, 112.

211, 212. THE MATERIALS OF MUSIC III & IV

3 semester hours

A continuation of Music 111, 112 on a more advanced level including secondary seventh chords and chromatic harmony. Prerequisite: MUS 112.

213, 214. MUSIC SKILLS LAB III & IV

1 semester hour each semester

Designed to be taken in conjunction with Music 211, 212.

254. JAZZ IMPROVIZATION

2 semester hours

This course is for the instrumentalist who wants to develop skills in improvisational technique in jazz performance.

311. COUNTERPOINT I

2 semester hours

Renaissance counterpoint in two, three and four parts, with application to various types of vocal and instrumental writing. Analysis of polyphonic compositions. Prerequisite: MUS 212.

312. COUNTERPOINT II

2 semester hours

Baroque counterpoint in two, three and four parts, with application to various types of vocal and instrumental writing. Analysis of contrapuntal compositions. Prerequisite: MUS 311.

313. FORM AND ANALYSIS

2 semester hours

Acquaints the student with the standard forms of tonal music through the aural and visual study of micro and macro forms in scores of representative works. Prerequisite: MUS 212.

411. INSTRUMENTAL AND CHORAL ARRANGING

2 semester hours

Exploration of the technical possibilities and limitations of individual instruments and voices; arranging and transcribing for various groups and combinations of instruments and voices. Prerequisite: MUS 212.

412. COMPOSITION

2 semester hours

Designed to explore the various approaches in composition in the 20th century, tonal as well as atonal, through analysis and synthesis in writing exercises. Attention is given primarily to composition in the small forms with emphasis upon statement and development within these forms. Prerequisite: MUS 411.

413. TWENTIETH CENTURY TECHNIQUES

2 semester hours

A study of the changes which have taken place in music of this century. Techniques to be studied include atonality, polytonality, serialism, integral serialism, dodecaphony and electronic music.

Literature and History

215. INTRODUCTION TO MUSIC LITERATURE

3 semester hours

Designed as an overview of the major periods of music, representative composers and their works through readings, lectures and listening. The course is offered for the general student who wishes to learn more about music and musicians, and it also serves the music major as an early general survey of the literature. (MUS 215 is the same as FA 215.)

217. INTRODUCTION TO MUSIC

3 semester hours

Designed for the non-major, this course examines the manipulation of sound, silence and time to create "music". Attention is given to contemporary and classical forms and idioms. (MUS 217 is the same as FA 217.)

218. HISTORY OF JAZZ

3 semester hours

A study of the people, times and development of the jazz entertainment form by examining

the musical derivatives of jazz and the elements which comprise the individual styles as they have evolved since 1885. (MUS 218 is the same as FA 218.)

315, 316. HISTORY OF MUSICAL STYLES AND STRUCTURES

3 semester hours each semester

A survey of the traditions, technical elements, composers and prime movers in the changing styles of western music from ancient Greece to the present. Prerequisite: MUS 212.

Music Education

The following Methods courses are required of all music majors seeking certification for the teaching of music in the public schools.

361. PERCUSSION METHODS **1 semester hour**

362. BRASS METHODS **1 semester hour**

363. WOODWIND METHODS **1 semester hour**

364. CHORAL/VOCAL METHODS **1 semester hour**

365. STRING METHODS **1 semester hour**

366. CONDUCTING **2 semester hours each semester**

Development of skill in baton techniques, rehearsal techniques and interpretation in training and leading ensembles of instruments and voices.

368. MUSIC IN THE ELEMENTARY SCHOOL **2 semester hours**

This course provides the Elementary Education major with the basic concepts of music and the methods for implementing musical activities in the classroom. *Enrollment is limited to the Elementary Education majors of at least junior standing.*

461-462. MUSIC EDUCATION IN THE PUBLIC SCHOOLS

3 semester hours each semester

A study of methods and materials suitable for the elementary, middle and senior school levels.

Ensembles

101. WIND ENSEMBLE (open to all students) **1 semester hour**

✓102. CHOIR (open to all students) **1 semester hour**

103. ORCHESTRA (by audition) **1 semester hour**

104. JAZZ ENSEMBLE (by audition) **1 semester hour**

105. CHAMBER SINGERS (by audition) **1 semester hour**

106. CHAMBER ENSEMBLE (by audition) **1 semester hour**

107. ELAN (by audition) **1 semester hour**

Other Offerings

251. MUSIC STUDIES IN ENGLAND **3 semester hours**

A study-tour of England with emphasis on theaters, concerts and places of cultural importance. Winter Term only.

360. METHODS AND MATERIALS OF PIANO PEDAGOGY **2 semester hours**

Designed for students interested in teaching piano in a private studio. This course includes exploring class, group and individual instructional techniques for beginning and intermediate students, suitable repertoire, basic keyboard musicianship, and pupil psychology.

471. SEMINAR: SPECIAL TOPICS **1-3 semester hours**

Small group study under the guidance of a member of the staff.

491. INDEPENDENT STUDY **1-3 semester hours**

MUSIC THEATRE

Chair, Department of Fine Arts: Professor Myers

Professor: Bragg

Assistant Professors: Rubeck, McNeela, Drtina, Wellford

A major in Music Theatre requires Dance 104, 112, 113, 115, a choice of 201, 202, or 203, and 366. Music 111, 112, 113, 114, 154 and 155 or Proficiency, and 6 semesters of private voice lessons along with Theatre 220, 311, 312, 320, 321, and 461 are required. Participation in a vocal ensemble, dance ensemble, or theatre production each semester in residence is required.

311. HISTORY OF MUSIC THEATRE

3 semester hours

This course will explore the origins and development of Music Theatre, its theatrical conventions, and major elements.

312. MUSIC THEATRE LITERATURE

3 semester hours

This course will expose the students to the "staples" of the music theatre literature. To develop a critical sensitivity to the medium and to be able to analyze music, plots, characters and situations in contemporary music theatre.

321. PERFORMANCE FOR MUSIC THEATRE

3 semester hours

This performance oriented course is designed to provide a step-by-step approach to achieving a high level of singing-acting skills.

461. SENIOR SEMINAR

3 semester hours

This course will provide a capstone experience for majors in Theatre Arts and Music Theatre. The course includes a comprehensive evaluation of the student's previous education within the major field, a major project to demonstrate practical proficiency in the student's major area of interest/emphasis, and preparation of materials necessary for enrollment in graduate school or the profession.

PHILOSOPHY

Chair: Professor Sullivan

Assistant Professor: Batchelor

Instructor: Hilliard

A major in Philosophy requires Philosophy 111, 113, 115; three courses from Philosophy 341, 342, 343, 344, 345, 352, 355; three courses from Philosophy 331, 332, 333, 431, 432; the senior tutorial, Philosophy 461; and 6 semester hours in one foreign language at the 111 level or above. The Philosophy program is designed to allow and encourage a major to gain a career-related minor or even a double major.

A minor in Philosophy requires Philosophy 111, 113, and 115, plus 9 semester hours of additional Philosophy courses.

111. INTRODUCTION TO PHILOSOPHY

3 semester hours

Introduces students to the philosophical approach to an understanding of their world and the basic issues of human experience. Examines and formulates specific contemporary problems and analyzes them in terms of the concepts and approaches of major philosophers.

113. LOGIC

3 semester hours

A practical course in the art of thinking based upon an examination of the different types of reasoning and the requirements of logical consistency.

115. ETHICS**3 semester hours**

A critical study of the principles of morality based upon the classical system of ethics. Application of these principles is made to specific situations in which moral choices are made by individuals and policy-making bodies.

331. ANCIENT PHILOSOPHY**3 semester hours**

A study of the beginning of Western philosophy with concentration on the Golden Age of Greece. Focus is on Socrates, his predecessors, and his great successors, Plato and Aristotle.

332. MEDIEVAL PHILOSOPHY**3 semester hours**

Designed to aid the student enter into the world view of the period 400-1400 A.D. Includes an exploration of the medieval sense of hierarchy as evidenced in the doctrine of the Great Chain of Being. Special attention is given to such figures as Augustine in the early period; Bernard and Abelard in the 12th Century; and Bonaventure and Aquinas in the 13th Century.

333. MODERN PHILOSOPHY**3 semester hours**

Focus on the four crucial centuries (1500-1900) during which the modern Western world view developed. Specific attention given to developments in philosophical method, theory of knowledge and political philosophy. Major English and Continental thinkers such as Descartes, Locke, Hume, Kant, Hegel and Mill are studied.

341. PHILOSOPHY OF LAW**3 semester hours**

A basic examination of the nature, function and limits of law. Attention is given to human rights and natural justice, law and morality, theories of punishment and questions of legal responsibility. The course is of particular interest to students of business and political science.

342. PHILOSOPHY AND SOCIETY**3 semester hours**

A philosophical approach to the nature of society, looking toward the 21st century. Attention is given to the nature of the person; the relation of the person to social institutions; and the problems which arise in scientific methods when persons are the object of investigation.

343. AGES AND STAGES OF LIFE**3 semester hours**

A critical study of how fundamental life issues are understood and coped with at different points in a person's life history. The course utilizes theories from the Piagetian and psychoanalytic traditions, examines underlying notions of maturity, and seeks ways to integrate the intellectual, emotional, moral and spiritual dimensions of growth.

344. PHILOSOPHY OF SCIENCE**3 semester hours**

The course is designed to promote the intelligent, critical assimilation of scientific information through development of a general framework for the analysis of scientific claims. The course will examine the differences between well-supported scientific results and pseudo-scientific claims, and will devote particular attention to problems in theory-testing and in ascertaining causal relations. Prerequisites: PHL 113 or permission of instructor.

345. PHILOSOPHICAL PERSPECTIVES IN FEMINISM**3 semester hours**

Examination of various theories of feminism with special attention given to moral issues of justice and equal rights, sex and sex roles, abortion, equal opportunity, affirmative action, and other feminist issues.

352. EASTERN PHILOSOPHY**3 semester hours**

Part I centers on ancient China and explores the *I Ching* as well as the thought of Lao Tzu and Confucius. Part II examines the insights of the Buddha and follows the Mahayana strand of Buddhism as it enters China and becomes Zen. Part III examines the spirit of Zen and its influences on the arts and culture of Japan.

355. PHILOSOPHY OF RELIGION**3 semester hours**

A discussion of the basic problems of thought which arise from confronting the beliefs and experiences of religious persons. What are the distinguishing characteristics of religion? Can religious feelings and insights be expressed in common language? By what criteria can conflicting religious beliefs be judged? (PHL 355 is the same as REL 355.)

431. CONTEMPORARY PHILOSOPHY**3 semester hours**

Designed to acquaint students with currents of philosophical thought in the twentieth century

and to develop the skills of inquiry appropriate to these areas. Surveys the changing landscape of philosophy in this volatile century and introduces students to some of the key figures who have shaped that landscape.

432. AMERICAN PHILOSOPHY

3 semester hours

Focuses on the rich heritage of American philosophical thought from native American and colonial thinkers to the Golden Age of Harvard (James, Pierce, Royce) at the beginning of this century. No prerequisites, but some background in philosophy is strongly recommended.

461. SENIOR TUTORIAL

2 semester hours

The senior tutorial, conducted by a director of studies in collaboration with the full department, will provide for a systematic review of ethics, logic and the history of philosophy. Attention will be paid to content and skills. Graduating seniors will take this tutorial in the fall of their senior year. (Philosophy majors only.)

471. SEMINAR: SPECIAL TOPICS

3 semester hours

491. INDEPENDENT STUDY

1-3 semester hours

PHYSICAL EDUCATION

The health and physical education programs are listed under Health, Physical Education and Leisure/Sports Management

PHYSICS

Chair, Department of Physical Sciences: Professor F. Harris

Associate Professor: Agnew

Assistant Professor: Wright

A major in Physics requires Physics 113, 114, 115, 116, 211, 212, 311, 312, 411, 421, 422; Mathematics 121, 221, and one 3-hour math course at the 300-400 level; Chemistry 111, 112, 113, 114. Students planning to attend graduate school should take Physics 412, and Mathematics 311, 321, 421, 425, 426.

A minor in Physics requires Physics 113, 114, 115, 116, 201, and three courses chosen from Physics 211, 212, 311, and 312.

101. BASIC CONCEPTS OF PHYSICS

3 semester hours

Designed to meet partially the general requirement of the College. Topics from mechanics, thermodynamics, electricity and magnetism, wave motion, and atomic structure. No credit given to students having prior credit for Physics 111.

102. FUNDAMENTALS OF ASTRONOMY

3 semester hours

Designed to meet partially the general requirements of the College. Topics to include celestial motions, astronomical tools, the solar system, stars and stellar evolution, galaxies, and cosmological models.

107. CONCEPTUAL PHYSICS LAB

1 semester hour

Laboratory experiences to complement Physics 101. Physics 101 and 107 are required to satisfy the general studies requirement in Analysis.

108. ASTRONOMY LAB

1 semester hour

Laboratory experiences to complement Physics 102. Physics 102 and 108 are required to satisfy the general studies requirement in Analysis.

111, 112. GENERAL PHYSICS I AND II

3 semester hours each semester

An introductory course including topics from mechanics, thermodynamics, electricity,

magnetism, optics, atomic and nuclear physics. Taken concurrently with PHY 115, 116.

113, 114. GENERAL PHYSICS I AND II WITH CALCULUS

3 semester hours each semester

A survey course including topics from mechanics, thermodynamics, electricity, magnetism, optics, atomic and nuclear physics designed for physical science majors and pre-engineering students. Taken concurrently with PHY 115, 116. Prerequisite: MTH 121.

115, 116. GENERAL PHYSICS LABS I AND II

1 semester hour each semester

Laboratory experiences for PHY 111, 112 or PHY 113, 114.

201. FUNDAMENTALS OF ELECTRONIC INSTRUMENTATION

3 semester hours

Emphasis is on the operational aspects of electronics including basic circuit theory, devices and components, power supplies, amplifiers and hands-on experience with a variety of electronic measuring instruments. 2 class hours, 2 laboratory hours.

211, 212. MECHANICS AND HEAT

3 semester hours each semester

An introduction to classical mechanics and thermodynamics. Topics include kinematics, Newton's Laws of Motion, harmonic motion, central forces, rigid body motion, and the First and Second Laws of Thermodynamics. Prerequisites: PHY 113, 114.

311, 312. ELECTROMAGNETISM AND OPTICS

3 semester hours each semester

Fundamental concepts of electromagnetism. Electric and magnetic fields; Maxwell's equations; electromagnetic radiation; and geometrical and physical optics are topics to be included. Prerequisites: PHY 113, 114.

391. INDEPENDENT STUDY

1 or 2 semester hours each semester

Library and/or laboratory research by the individual student. Open to students at all levels. Prerequisite: permission of Physics staff. Maximum total credit, 8 semester hours.

411, 412. MODERN PHYSICS

3 semester hours each semester

First semester to include early quantum theory and special relativity, statistical mechanics, atomic and nuclear physics. Second semester devoted to quantum mechanics and applications to atomic and nuclear systems. Prerequisites: PHY 113, 114.

421, 422. ADVANCED LABORATORY

1 semester hour each semester

Experiments in mechanics, thermal physics, electromagnetics, optics and atomic and nuclear physics designed to demonstrate physical phenomena, introduce research techniques, and provide training in the careful measurement of physical quantities. 3 laboratory hours per week. Senior physics majors only.

481. INTERNSHIP IN PHYSICS

1-3 semester hours

POLITICAL SCIENCE

Chair, Department of Political Science and Public Administration: Professor Taylor

Professor: Zarzar

Associate Professors: Anderson, C. Brumbaugh

Part-Time: Colbert, Craig

A major in Political Science requires Political Science 131, 232 or 211, 241 or 331, 352 or 353, 471; Social Science 312; Information Systems 116; Economics 201; History 211, 212; and 18 additional hours in Political Science.

A minor in Political Science requires Political Science 131, 232 or 211, 241 or 331, 352 or Social Science 312; and 6 additional hours in Political Science.

A minor in International Studies requires 21 semester hours of course work. The required core is 12 semester hours consisting of Political Science 241, Geography 131, Sociology 321, one 300-400 level course in non-United States history and one course in foreign language of the 200 level or above. Electives include nine (9) semester hours from two different disciplines. These electives are (a) foreign language at the 200 level or above, (b) study abroad experience (winter, semester, summer), or (c) courses at the junior/senior level whose emphasis is non-United States and 20th Century in content.

131. INTRODUCTION TO AMERICAN GOVERNMENT **3 semester hours**

A study of the structure and functioning of the national government, including its constitutional basis; the system of separation powers, checks and balances, operation of the executive, legislative, and judicial branches.

211. INTRODUCTION TO PUBLIC ADMINISTRATION **3 semester hours**

(Same course as PA 211. See PA 211 for description.)

232. STATE AND LOCAL GOVERNMENT IN THE UNITED STATES **3 semester hours**

A study of the structure and functioning of the state and local government and its role within the federal system.

241. INTERNATIONAL RELATIONS **3 semester hours**

A study of analysis of the basic factors which determine international politics and relations among the nations including the practice of diplomacy, the development of the nation-state system, international law, and international cooperation and organization.

311. PUBLIC POLICY **3 semester hours**

(Same course as PA 311. See PA 311 for description.)

331. COMPARATIVE POLITICS **3 semester hours**

A comparative study of major political systems. Prerequisite: Junior or senior standing or by permission of instructor.

341. UNITED STATES FOREIGN POLICY TO 1939 **3 semester hours**

(Same course as HST 341. See HST 341 for description.)

342. UNITED STATES FOREIGN POLICY SINCE 1939 **3 semester hours**

A study of the foreign relations, foreign policy and international politics of the United States since 1939. Prerequisite: PS 131 or permission of instructor. (PS 342 is the same as HST 342.)

343. THE AMERICAN PRESIDENCY **3 semester hours**

A study of the contemporary presidency, with emphasis on the organization of the office, its relationship with other structures in American politics and its role in the policy-making process.

352. POLITICAL THOUGHT **3 semester hours**

A survey through the 19th century of the normative, empirical and ideological systems of thought as reflected in some of the world's great political thinkers. Attention is given to how these systems of thought contribute to contemporary politics and events. Prerequisite: Junior or senior standing or by permission of the instructor.

353. MODERN POLITICAL THOUGHT **3 semester hours**

A study and analysis of the major political concepts and ideas, including the great issues of politics from the 19th century to the present day, using both behavioral and non-behavioral methodological approaches. Prerequisite: Junior or senior standing or by permission of instructor.

354. POLITICAL SOCIALIZATION **3 semester hours**

The study of the ways in which society transmits its political culture from generation to generation. Methods will include the use of computers to test models of the political socialization process.

356. DEMOCRACY AND TOTALITARISM**3 semester hours**

An examination of the origins, development and characteristics of democratic and totalitarian ideas and institutions. Prerequisite: Junior or senior standing or by permission of instructor.

357. ELECTORAL BEHAVIOR**3 semester hours**

A study of the electoral process and an analysis of the determinants of voting behavior.

358. PARTIES AND INTEREST GROUPS**3 semester hours**

A study of the development, organization, functions and problems of political parties and interest groups and the role they play in elections and the policy making process.

362. TOPICS IN THIRD WORLD POLITICS**3 semester hours**

Study of a selected topic pertinent to third world politics.

375. CONSTITUTIONAL LAW I**3 semester hours**

This course will focus on American Constitutional Structures: Separation of Powers and Federalism. The primary teaching method will be the Case approach to explore these areas of Constitutional Law. Prerequisite: PS 131.

376. CONSTITUTIONAL LAW II**3 semester hours**

This course will focus on individual rights which are guaranteed by the American Constitution: Civil Rights and Civil Liberties. The primary teaching method will be the Case approach. Prerequisite: PS 131.

420. WORKSHOP IN POLITICS**3 semester hours**

Personal experience in the political system of the U. S. is gained through active participation in a political campaign. Each student is required to work as an intern for a candidate or political party of his own choosing. Regular seminars are held to exchange views and compare election and electioneering theory with the students' experience. Normally offered during the fall semester of election years.

441. WAR, PEACE AND CONFLICT RESOLUTION**3 semester hours**

An examination of the various theories of war and peace. Particular attention is given to the causes of war and the various approaches to peace. Prerequisite: Junior or senior standing or permission of instructor.

471. SEMINAR: SPECIAL TOPICS**3 semester hours****481. INTERNSHIP IN POLITICAL SCIENCE****1-3 semester hours**

Prerequisites: PS 131 and 211.

491. INDEPENDENT STUDY**1-3 semester hours****PSYCHOLOGY**

Chair, Department of Psychology: Professor Granowsky

Associate Professor: Higgs

Assistant Professors: Pickens, Fromson, McClearn, Pullium, Green

Instructor: Ausley

A major in psychology requires: PSY 211; MTH 265 and PSY 301; PSY 461; plus 27 semester hours from Psychology courses and/or Human Services 431, 435.

A minor in psychology requires PSY 211, plus 18 semester hours selected from Psychology courses and/or Human Services 431, 435.

211. GENERAL PSYCHOLOGY**3 semester hours**

An overview of the facts and principles of learning, motivation, personality, abnormal behavior, human development, biobehavioral relations, and social interaction.

221. INTRODUCTION TO BIOPSYCHOLOGY**3 semester hours**

This course explores the biological foundations of such aspects of behavior as learning and memory, movement, sleep, eating and drinking, and emotion, as well as abnormal conditions, such as schizophrenia and depressions. This course is intended for both majors and interested non-majors.

233. DEVELOPMENTAL PSYCHOLOGY**3 semester hours**

This course explores the theories, principles, and empirical study of human development. Emphasis is placed on exploring cognitive, physical, social and emotional development as the child grows from the preschool years through adolescence.

301. EXPERIMENTAL PSYCHOLOGY**4 semester hours**

An introduction to methods and techniques for conducting research in psychology. Goals include learning how to ask an answerable question, to develop an experimental design, to analyze data, and to report findings. Course includes a laboratory experience. Prerequisites: PSY 211, MTH 265.

305. APPLIED PSYCHOLOGY**3 semester hours**

This course provides an overview of several fields in which psychological principles and techniques are applied to human problems. These fields include health psychology, industrial/organizational psychology, consumer psychology, clinical psychology, school psychology, and psychology and law. Prerequisite: PSY 211.

313. HUMAN SEXUALITY**3 semester hours**

A comprehensive study of biological and cultural sexuality focused within both the cognitive and affective domains. Topics of study include male and female physiology, pregnancy, childbirth, sexually transmitted diseases, contraception, sex roles, intimate relationships, parenting and deviant sexual behavior. Prerequisite: PSY 211 or PSY 233.

315. PSYCHOLOGY OF WOMEN**3 semester hours**

This course will explore the psychological aspects of the issues and events of the female experience.

321. EDUCATIONAL PSYCHOLOGY**3 semester hours**

Psychological principles involved in the process of teaching and learning; the nature of intelligence, motivation, individual differences, and emotional influences; the evaluation of learning. Prerequisite: PSY 211 or PSY 233.

323. SOCIAL PSYCHOLOGY**3 semester hours**

This course explores ways in which people influence one another's behavior and beliefs. Various theoretical and methodological issues will be presented, as will specific topics such as altruism, aggression, attitudes, attributions, conformity, and person perception. Prerequisite: PSY 211.

332. PSYCHOLOGY OF EXCEPTIONALITY**3 semester hours**

The study of the origins, symptoms and sequences of development of exceptional children who are emotionally, physically or mentally handicapped and those who are gifted and talented. Prerequisite: PSY 211 or PSY 233.

333. ABNORMAL BEHAVIOR**3 semester hours**

An overview of behavioral pathology including a historical perspective of the treatment of individuals and discussion of the etiology, dynamics and modification of abnormal behavior. Prerequisite: PSY 211.

343. PERSONALITY**3 semester hours**

A survey of the major theories of personality, including; psychoanalytic, social psychological, phenomenological, humanistic, cognitive, behavioral, and biological theories, Prerequisite: PSY 211.

353. MOTIVATION AND EMOTION**3 semester hours**

An analysis of the biological, cognitive, and social bases of human motivation and emotion and their role in such areas of behavior as: hunger and thirst, sex, sleep and arousal, aggression and altruism, addiction and depression, achievement and creativity. Prerequisite: PSY 211.

361. ANIMAL BEHAVIOR**3 semester hours**

This course will investigate the behavior of different types of animals, taking into account aspects of physiology, development, evolution and adaption. Much emphasis will be placed on various specialized structures and abilities (which may or may not be present in humans) that confer selective advantages upon their possessors. It is hoped that the student will gain an apprecia-

tion for the complexity and diversity of animal life, especially, of course, with respect to behavior. Prerequisite: Three courses in either psychology or biology.

362. CHEMISTRY AND BEHAVIOR

3 semester hours

This course will investigate the ways in which human behavior is affected by chemical processes. Initially, the fundamentals of brain chemistry (including the ability of brain cells to communicate with each other) will be presented. Then, there will be discussion of the effects of various substances, such as drugs (both licit and illicit), hormones, nutrients and pollutants on brain chemistry and the resulting alterations in perception, mood and behavior. Also to be covered are chemical abnormalities and treatments associated with various mental pathologies (for instance, schizophrenia and depression). Prerequisite: PSY 211 or BIO 111 or CHM 111.

363. INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY

3 semester hours

This course concerns the application of psychology to human behavior at work and in organizations. Topics will include personnel testing, selection, and training; organizational communication, leadership and motivation; and outcomes including work performance, absenteeism, turnover, job satisfaction and commitment. Prerequisite: PSY 211.

371-379. SPECIAL TOPICS IN PSYCHOLOGY

3 semester hours

These courses present a rotating series of special topics in psychology. Among the offerings are: issues in gerontology; cross-cultural psychology; social cognition; topics in neuroscience; language development; developmental psychopathology; developmental biopsychology; cognitive development. Prerequisite: PSY 211.

411. PSYCHOLOGICAL MEASUREMENT

3 semester hours

A survey of the techniques, uses, and importance of testing and measurement in the counseling and educational process. Particular emphasis is placed upon providing the student with experience in understanding and critically evaluating standardized tests. Prerequisites: PSY 211, plus nine additional semester hours in Psychology.

421. ADVANCED PERSONALITY THEORY

3 semester hours

An examination of the major theoretical approaches to personality. Emphasis will be concentrated on the underlying assumptions and theoretical concepts of these approaches. Prerequisites: PSY 211, PSY 343, and six additional hours in Psychology.

431. THEORIES OF LEARNING AND COGNITION

3 semester hours

An in-depth survey of the major theories of learning from the early connectionist theories to the more contemporary cognitivist theories. Prerequisites: PSY 211, plus nine additional semester hours in Psychology.

461. SENIOR SEMINAR: ADVANCED EXPLORATIONS IN PSYCHOLOGY

3 semester hours

This capstone course in the major provides an in-depth analysis of the development and current status of the research base across the major domains of psychology. Students will conduct a major literature review of the research in their chosen topic. In addition to their written literature review, students will develop a lecture on their topic to present to students in appropriate sections of 200-level courses. Prerequisite: Senior Psychology Major.

462. SENIOR THESIS

3 semester hours

This course provides the advanced student the opportunity to complete an independent, original piece of empirical research in psychology. Students will meet to present and critique one another's ideas at each stage of the research process: topic development, selection of methods, analysis of data, and discussion of findings. Students will present their final report in both standard written form and in an appropriate forum for oral presentation. Students may also assist in conducting the PSY 301 lab. Prerequisite: Senior Psychology Major, or by permission of instructor.

471. SPECIAL TOPICS

3 semester hours

481. INTERNSHIP IN PSYCHOLOGY

1-3 semester hours

This course provides the opportunity for the upper-level student to apply psychological theories and techniques to actual experiences in the field. Up to 3 semester hours of internship may be applied to meeting major requirements. Prerequisite: Majors only, faculty approval.

491. INDEPENDENT STUDY

1-3 semester hours

PUBLIC ADMINISTRATION

Chair, Department of Political Science and Public Administration: Professor Taylor

Associate Professor: C. Brumbaugh

Part-Time Instructor: Colbert

A major in Public Administration requires Public Administration 211, 311, 431, 471; Political Science 131, 232; Social Science 312; Accounting 201; Economics 201; and Information Systems 116. Additional requirements are 12 semester hours chosen from the following: Public Administration courses; JC 210; Economics 301, 313, 332; Business Administration 323 or 303; 425; HPEL 327, 425; and Political Science 343, 420.

A minor in Public Administration requires Public Administration 211, 431; Social Science 312; Political Science 131; and Business Administration 323 or 303, and 425.

211. INTRODUCTION TO PUBLIC ADMINISTRATION

3 semester hours

A study of the basic principles of organization, location of authority, fiscal management, personnel management, and forms of administrative action in the public service.

311. PUBLIC POLICY

3 semester hours

A study of policymaking and the implementation of policies in government, with emphasis on the role of the bureaucracy in this process. Prerequisite: PA 211.

351. PROBLEMS AND ISSUES IN PUBLIC ADMINISTRATION

3 semester hours

A study of major current problems and issues in public policy-making and administration, including crime, energy, equality, ethics in government, inflation, poverty, and protection of the environment. Prerequisite: PA 211.

431. POLICY ANALYSIS AND PROGRAM EVALUATION

3 semester hours

An examination of two aspects of the policy process for the decision-maker: Policy Analysis, which precedes program implementation and attempts to influence the decision-making; and Program Evaluation, which is a method of determining the degree to which a program is meeting its objectives and the effects created by the program. Prerequisite: PA 211.

471. SEMINAR: SPECIAL TOPICS

3 semester hours

Advanced topics selected to meet the needs of the students who have completed most of their study in Public Administration. Open to seniors majoring in Public Administration, Political Science, History, or with permission of instructor.

481. INTERNSHIP IN PUBLIC ADMINISTRATION

1-6 semester hours

Prerequisites: PA 211 plus 3 semester hours in Public Administration or Political Science.

491. INDEPENDENT STUDY

1-3 semester hours

RELIGION

Chair, Department of Religion: Professor Chase

Professors: W. Rich, Pace

Associate Professors: Wilson, Pugh

Assistant Professors: McBride, Chakrabarti

A major in Religion requires 45 hours: Religion 111, 112, 121, 131, 141, 492, 21 semester hours of additional Religion courses (at least 18 semester hours at the 300-400 level), and six semester hours of a foreign language at the 111 level or above. Greek 111, 112 are recommended for all Religion majors, and Greek 211, 212 may be substituted for Religion courses with departmental approval.

A minor in Religion requires 18 semester hours of Religion courses, with at least 9 of these semester hours taken in junior-senior level courses.

111. INTRODUCTION TO THE OLD TESTAMENT **3 semester hours**
The history, literature and religion of the Hebrew people as viewed against the background of ancient Near Eastern culture.

112. INTRODUCTION TO THE NEW TESTAMENT **3 semester hours**
The rise and development of Christianity and its literature.

121. WORLD RELIGIONS **3 semester hours**
The origin, historical development and beliefs of selected religious traditions.

131. RELIGIOUS THINKING **3 semester hours**
An introduction to the study of religion including religion and society and the diversity in religion.

141. RELIGIOUS VALUES AND DECISION MAKING **3 semester hours**
An introductory study of practical religious values, their relationship to the decision-making process, and the dimensions of the decision-making process itself. Fundamental values of the Judeo-Christian tradition are explored. On occasion a one-hour internship is available with this course.

251. RELIGION STUDIES ABROAD **3 semester hours**
Study-tours in England and the Middle East (Israel, Egypt and Jordan). Winter Term only.

321. ARCHAEOLOGY OF THE ANCIENT NEAR EAST **3 semester hours**
A survey of major archeological research as it relates to the Near East, with particular emphasis on Egypt, Palestine and Mesopotamia. Prerequisite: Junior or senior status, or permission of instructor.

322. OLD TESTAMENT PROPHETS **3 semester hours**
A study of the background, personal characteristics, function, message and present significance of the Hebrew prophets. Prerequisite: Junior or senior status, or permission of instructor.

323. WISDOM LITERATURE **3 semester hours**
This course examines the nature, history, and content of Old Testament Wisdom literature: Proverbs, Job, Ecclesiastes, and some Psalms. Current views of Old Testament scholars are also examined. Prerequisite: Junior or senior status, or permission of instructor.

326. THE WRITINGS OF PAUL **3 semester hours**
An analysis of major motifs of Paul's theology by means of an interpretation of his New Testament writings. Prerequisite: Junior or senior status, or permission of instructor.

327. THE GOSPEL OF JOHN **3 semester hours**
A study of the key motifs in the theology of the Gospel of John. Special emphasis on the sources, the various stages of composition and the literary and rhetorical characteristics. Prerequisite: Junior or senior status, or permission of instructor.

328. THE SYNOPTIC GOSPELS **3 semester hours**
A study of the origin, composition, form, content and theological perspective of Mark, Matthew, and Luke. Prerequisite: Junior or senior status, or permission of instructor.

334. MODERN RELIGIOUS THINKERS **3 semester hours**
An examination of the theologies of selected major thinkers in the Judeo-Christian tradition. Prerequisite: Junior or senior status, or permission of instructor.

336. LIFE AND THOUGHT OF THE CHRISTIAN CHURCH **3 semester hours**
This course examines the influence of Christianity in a socio-cultural and theological perspective. From its Jewish antecedents to the present day, church personalities, controversies, and decisions will be examined. Prerequisite: Junior or senior status, or permission of instructor.

338. TYPES OF THEOLOGY **3 semester hours**
Beginning with background in historical theology, the class will study different theological

perspectives and developments of the modern world. Prerequisite: Junior or senior status or permission of the instructor.

341. CHRISTIAN ETHICS

3 semester hours

A systematic and biblically based study of the types and principles of Christian ethical theory with special attention to the analysis of selected personal and social ethical issues. Prerequisite: Junior or senior status, or permission of instructor.

345. THEOLOGY OF HUMAN LIBERATION

3 semester hours

Analysis of contemporary types of liberation theology such as third-world liberation, Black liberation, and women's liberation through a study of significant representative writings. Prerequisite: Junior or senior status, or permission of instructor.

347. WOMEN AND RELIGION

3 semester hours

A consideration of both the impact which religion past and present has had on women in home, church, and society and the impact which women past and present have had on religion, religious thinking, and religious institutions. Prerequisite: Junior or senior status, or permission of the instructor.

355. PHILOSOPHY OF RELIGION

3 semester hours

(Same course as PHL 355. See PHL 355 for description.)

365. LITERATURE AND THEOLOGY

3 semester hours

(Same course as ENG 365. See ENG 365 for description.)

471. SEMINAR: SPECIAL TOPICS

1-3 semester hours

491. INDEPENDENT STUDY

1-3 semester hours

Individual study of some area of special interest under the guidance of a member of the department. Open only to Religion majors or minors who have Junior or Senior standing or by permission of instructor. Maximum of 6 semester hours per student.

492. SENIOR SEMINAR

3 semester hours

SCIENCE EDUCATION

Coordinator: Associate Professor Agnew

In addition to the Education and Psychology courses required of all Secondary Education majors, a major in Science Education requires the completion of one of the certification areas described below.

Secondary Science Comprehensive Certification

Completion of all courses from one of the areas of Biology or Chemistry listed below, plus 8 semester hours from each of the other two listed areas, Mathematics 111, Geography 121, Chemistry 103, 104 and Physics 102 and 108.

Biology 111, 113, 221, 222, 311, 322, 345, 452

Chemistry 111, 112, 113, 114, 221 321, 322, 323, 324, 411

Physics 113, 114, 115, 116, 201, 211, 212, 311, 312 or 411

(Physics 111 or 112 may be elected to satisfy 8 semester hours for Biology or Chemistry.)

Secondary Science Certification

Completion of all courses from one of the areas of Biology or Chemistry listed below, plus 12 semester hours from one of the other two listed areas,

Mathematics 111, (also Math 121 and 221 for Physics option), Geography 121, Chemistry 103, 104, and Physics 102, 108; IS Information Systems elective.

Biology 111, 113, 221, 222, 311, 322, 345, 452

Chemistry 111, 112, 113, 114, 221, 321, 322, 323, 324, 411, CS 130

Physics 113, 114, 115, 116, 201, 211, 212, 311, 312 or 411

Recommended electives for the Science Education major include Mathematics 121, 265 and Computer Information Systems 116.

Secondary Science endorsement requires 18 semester hours from one of the areas of Biology or Chemistry.

SOCIAL SCIENCE

Chair, Department of Sociology: Professor T. Henricks

A major in Social Science requires Economics 201; Geography 121, 131; History 111, 112; Political Science 131, 241; Psychology 211; Sociology 111, 112; Social Science 312; Mathematics 265; plus 18 semester hours (12 from 300-400 level) in one of the following areas (concentrations): Geography, History, Political Science, Public Administration, Psychology, Sociology and Economics. Specific concentration course requirements may be stipulated.

In addition to the Education and Psychology courses required by all secondary majors, a major in Social Science receiving teacher certification must complete Economics 201; Geography 131 and 311 or 321; History 111, 112, 211, 212; Political Science 131, 241; Psychology 211; Sociology 111, 112; Social Science 312; Mathematics 265; plus 18 semester hours at the 300-400 level from three of the following areas: Geography, History, Political Science, Public Administration, Psychology and Sociology.

312. RESEARCH METHODS

3 semester hours

Examines basic scientific methods including problems of definition, concept formation, hypothesis testing, explanation and prediction. Included is a critical analysis of research problems which are susceptible to the use of quantitative data.

SOCIOLOGY

Chair, Department of Sociology: Professor T. Henricks

Associate Professors: Basirico, Arcaro

Assistant Professor: Bolin

A major in Sociology requires Sociology 111, 311 or 345, 112 or 321, 351, 485, plus 18 semester hours of additional Sociology courses; Information Systems 116; Mathematics 265; Social Science 312.

A minor in Sociology requires Sociology 111, 211, plus 15 semester hours selected from Sociology courses.

111. INTRODUCTORY SOCIOLOGY

3 semester hours

An introduction to the basic theoretical principles and research methods distinctive of modern sociology. Among the issues considered are the relationship between culture, personality, and

society; the fundamental forms of social structure; social institutions, such as religion and the family; and basic social processes, such as deviance and social change.

112. ANTHROPOLOGY

3 semester hours

An exploration of the meaning of human nature as this has developed over time and is given expression in human societies. Emphasis is placed on the physical evolution of the human species, on methods used to study both physical and social evolution, and on the nature and development of human language.

211. SOCIAL PROBLEMS

3 semester hours

An examination of various public issues which attempts to dispel persistent fallacies regarding these issues and to provide a distinctively sociological framework for such investigations. Course focuses on causes, consequences, and treatment of such problems as poverty, crime, discrimination, mental disorders, drug abuse, violence, and population pressures. Prerequisite: SOC 111.

311. THE FAMILY

3 semester hours

An investigation of the family as an institution in societies. Focus is upon both the development of and current patterns in the American family. Specific topics include social class differences, racial and ethnic variations, premarital patterns, marital interaction, family problems, and the future prospects for the family. Prerequisite: SOC 111.

313. CRIME AND DELINQUENCY

3 semester hours

An analysis of juvenile delinquency and adult crime as categories of social behavior. Particular attention is given to the social organization of criminals and to an analysis of the criminal and juvenile justice systems. Prerequisite: SOC 111.

321. CULTURAL ANTHROPOLOGY

3 semester hours

An analysis of the organization of primitive and traditional societies. Focusing on the concept of "culture," the course describes the theories and methods used by anthropologists studying primitive peoples. Prerequisite: SOC 111 or 112.

331. THE SELF AND SOCIETY

3 semester hours

An examination of the ways in which individuals are influenced by their social interaction with others in society. Particular attention is given to the interaction processes in which individuals are socialized and develop an identity, and how individuals' identities enter into their interactions. The nature of interpersonal control is discussed. The sociological perspectives of symbolic interactionism and dramaturgy are explored in depth. Prerequisite: SOC 111.

333. SOCIAL STRATIFICATION

3 semester hours

A study of social differentiation, particularly those differences which result in the ranking systems of power, wealth, and prestige. The course concentrates on the different positions individuals and groups hold, their corresponding rights and responsibilities, and how those roles influence social action. Emphasis is placed upon institutionalized social inequality within the United States. Prerequisite: SOC 111.

341. ETHNIC AND RACE RELATIONS

3 semester hours

An analysis of the meaning of minority group status in modern societies both in general terms and also with regard to the more specific problems and prospects featured in the development of various individual groups in American society. Emphasis is placed on the nature of prejudice and discrimination, and strategies toward social equality. Prerequisite: SOC 111.

343. SOCIAL AND CULTURAL CHANGE

3 semester hours

An analysis of social and cultural change in modern societies. Emphasis is given to the various sociological approaches to the study of social change as well as to the causes, consequences, and responses to change. Of particular concern is the process of modernization. Prerequisite: SOC 111.

344. SOCIAL DEVIANCE

3 semester hours

An analysis of processes of norm-violation by individuals or groups in society. Emphasis is placed upon the psychological, cultural, and social factors that contribute to deviance in such areas as mental health, alcohol and drug dependence, sexual expression, and acts of violence. Prerequisite: SOC 111.

- 345. SOCIOLOGICAL PERSPECTIVES ON WOMEN & MEN** **3 semester hours**
Sociological perspectives, theories, and concepts are used to critically analyze the social meaning of being female and male in American society. Emphasis is placed on analyzing the inequities based upon gender, particularly the problems faced by women. Prerequisite: Sociology 111.
- 351. SOCIOLOGICAL THEORY** **3 semester hours**
An exploration of conceptualization and model-building in the development of modern sociology. In considering the historical emergence of different sociological traditions or perspectives, the course will concentrate on the underlying assumptions, historical and intellectual background, and logical consequences of these positions. Prerequisite: SOC 111.
- 471. SEMINAR: SPECIAL TOPICS** **1-3 semester hours**
- 481. INTERNSHIP IN SOCIOLOGY** **1-3 semester hours**
Limited to 3 semester hours credit applicable to Sociology major or minor. Prerequisite: Department permission.
- 485. SENIOR SEMINAR IN SOCIOLOGY** **3 semester hours**
A capstone experience for sociology majors during their final year of college work. Students will participate in a review and creative synthesis of central themes of the discipline as well as in an evaluation of their sociological skills/knowledge and personal objectives. In addition, each student will develop and present formally a work of original scholarship. Prerequisite: Senior standing as sociology major or permission of instructor.
- 491. INDEPENDENT STUDY** **1-3 semester hours**

THEATRE

Chair, Department of Fine Arts: Professor Myers
Assistant Professors: Drtina, Rubeck, McNeela

A major in Theatre Arts is required to complete the following: Theatre 101, 211, 220, 301, 302, 311, 330, 461 plus six semester hours selected from Dramatic Literature in English and 9 additional semester hours selected from 300-400 level theatre courses, music theatre courses or dramatic literature in English courses.

A minor in Theatre Arts requires Theatre 101, 220, 211, 210 (3 semester hours); and two courses (6 semester hours) selected from Theatre courses at the 300/400 level.

- 101. INTRODUCTION TO THEATRE** **3 semester hours**
An exploration of the theatre as a dynamic art form and how the author, director, actor and designer work together to create the final product.
- 210. THEATRE WORKSHOP** **1-3 semester hours**
A practicum in all aspects of theatre production. Students must arrange a learning contract with the instructor at the beginning of each term.
- 211. STAGECRAFT** **3 semester hours**
The basic theory and practice of set construction, including drafting skills and the basic elements of design. A weekly lab is required.
- 220. FUNDAMENTALS OF ACTING** **3 semester hours**
Designed to teach students to express themselves freely in the theatre environment. Objectives are to achieve a comprehension of the nature and the meaning of the dramatic experience, and the sense of the operative theatre.
- 301. THEATRE HISTORY I** **3 semester hours**
This course will examine in depth the history of Theatre from its origins to the 19th Century.

Students will gain a solid understanding of its major development, periods, and conventions during this time period.

302. THEATRE HISTORY II

3 semester hours

This course will examine in depth the history of Theatre from the 18th Century to the present day. Students will gain a solid understanding of its major development, periods, and conventions during this time period.

310. ADVANCED PROJECTS IN THEATRE

1-3 semester hours

An advanced practicum in theatre for those students who have significant experience in theatre production through course work or participation in department productions. *Students must have permission of instructor.*

311. THEATRE DESIGN

3 semester hours

This course will examine through theory and practice the nature, function and responsibilities of designers in the theatre.

312. LIGHTING DESIGN

3 semester hours

The theory and practice of the aesthetics of stage lighting design and the process of lighting the stage space.

320. INTERMEDIATE ACTING

3 semester hours

An exploration of the various techniques of analysis, rehearsal and performance with particular emphasis upon scene study.

330. FUNDAMENTALS OF DIRECTING

3 semester hours

A study of the work of the theatrical director. With script analysis as the cornerstone of the decision-making process, students will follow the sequence required to produce a play. Prerequisite: TH 210, 220 or permission of instructor.

471. SENIOR SEMINAR

3 semester hours

A capstone course for theatre majors.

WOMEN'S STUDIES

Coordinator: Professor Smith

A minor in Women's Studies requires 15 hours chosen from WS 211, Economics 317, English 333, History 347, Philosophy 345, Psychology 315, Religion 347, Sociology 345, and WS 371-79. In addition WS 411 is required as a senior seminar.

211. INTRODUCTION TO WOMEN'S STUDIES

3 semester hours

A survey of some of the major issues affecting women today, such as theories of sex difference, social role expectations, historical precedents for women's current status, and feminist critique of the tradition.

371-379. TOPICS IN WOMEN'S STUDIES

3 semester hours

ECO 317. THE ECONOMICS OF WOMEN

3 semester hours

(See ECO 317 for description)

ENG 333. FEMINIST APPROACHES TO LITERATURE

3 semester hours

(See ENG 333 for description)

HST 347. HISTORY OF WOMEN IN THE U.S.

3 semester hours

(See HST 347 for description)

PHL 345. PHILOSOPHICAL PERSPECTIVES IN FEMINISM

3 semester hours

(See PHL 345 for description)

PSY 315. PSYCHOLOGY OF WOMEN

3 semester hours

(See PSY 315 for description)

REL 347. WOMEN AND RELIGION

3 semester hours

(See REL 347 for description)

SOC. 345. SOCIOLOGICAL PERSPECTIVES ON WOMEN AND MEN

3 semester hours

(See SOC 345 for description)

481. INTERNSHIP IN WOMEN'S STUDIES

1-3 semester hours

Work experience in an agency meeting the needs of women. Prerequisite: Two Women's Studies courses and permission of instructor.

495. SEMINAR: FEMINIST STUDIES

3 semester hours

Seminar in contemporary feminist theory. Students will pursue independent research on historical and contemporary social, political, and literary topics, using a feminist perspective and the resources of scholarship in the disciplines. Prerequisites: Senior standing and 3 courses in Women's Studies.

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Samuel E. Scott, M.D.—*Burlington, NC*
W. Millard Stevens, D.D.—*Burlington, NC*
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Herbert L. Aman—*President of Parents Council*
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Faculty, 1990-1991

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J. Wesley Alexander, 1961, *Associate Professor of Mathematics*
B.S., M.A., Appalachian State University; M.S., New Mexico State University

Robert G. Anderson, Jr., 1984, *Associate Professor of Political Science; Assistant to the President*
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B.A., Amherst College; M.B.A., Harvard Business School

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- Thomas E. Arcaro**, 1985, *Associate Professor of Sociology*
B.A., Ohio State University; M.S., Ph.D., Purdue University
- Malvin N. Artley**, 1963, *Part-time Professor of Music*
B.Mus., Shenandoah Conservatory of Music; M.Mus., Cincinnati Conservatory; D.F.A., Chicago Musical College, Roosevelt University
- Martin H. Baker**, 1980, *Assistant Professor of Physical Education and Health; Athletic Trainer*
B.S., SUNY at Brockport; M.S., Indiana State University
- William H. Barbee**, 1970, *Associate Professor of Mathematics*
B.S., Wofford College; M.Math., University of Tennessee; Graduate Studies, University of Georgia
- James L. Barbour**, 1990, *Associate Professor of Economics*
B.B.A., M.A., Ph.D., University of Kentucky
- Laurence A. Basirico**, 1983, *Associate Professor of Sociology*
B.A., Hofstra University; M.A., Ph.D., SUNY-Stony Brook
- T. Nim Batchelor**, 1990, *Assistant Professor of Philosophy*
B.A., Texas Tech University; M.A., Ph.D., University of Nebraska
- Robert C. Baxter**, 1959, *Associate Professor of Business Law; College Attorney*
A.B., Elon College; J.D. Duke University
- Glenda W. Beamon**, 1989, *Assistant Professor of Education*
B.A., M.Ed., Ed.D., University of North Carolina at Greensboro
- Barry B. Beedle**, 1978, *Associate Professor of Physical Education and Health*
B.S., M.S., Mississippi State University; Ed.D., University of Mississippi
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B.B.A., Iona College; M.B.A., New York University
- W. Jennings Berry, Jr.**, 1957, *Associate Professor of English; Director of Academic Advising*
A.B., Elon College; M.A., University of North Carolina
- James S. Bissett**, 1990, *Assistant Professor of History*
B.A., Oklahoma Baptist University; M.A., Western Carolina University; Ph.D., Duke University
- Robert G. Blake**, 1968, *William S. Long Professor of English*
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- R. Lamar Bland**, 1967, *Professor of English; Director of Honors Program*
B.A., Wake Forest University; M.A., University of North Carolina; Ph.D., University of North Carolina at Greensboro
- Warren L. Board**, 1986, *Professor of Social Science, Provost and Senior Vice President*
B.A., University of Idaho; M.A., University of Denver; Ph.D., Syracuse University
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- David A. Bragg**, 1970, *Professor of Music*
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- Stephen E. Braye**, 1989, *Assistant Professor of English, Associate Director of Writing Program*
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- Robert A. Brewer**, 1989, *Assistant Professor of Health, Physical Education, Leisure/Sports Management; Men's and Women's Soccer Coach*
B.A., Lynchburg College; M.S., Virginia Polytechnic Institute
- Wesley G. Brogan**, 1979, *Professor of Education and Human Services; Associate Dean of Academic Affairs; Chair, Department of Education*
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- Eugene H. Brooks**, 1989, *Associate Professor of Accounting; Chair, Department of Accounting*
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- Janie P. Brown**, 1967, *Professor of Physical Education and Health; Chair, Department of Health, Physical Education and Leisure/Sports Management*
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- Chalmers S. Brumbaugh**, 1986, *Associate Professor of Political Science*
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- Pamela P. Brumbaugh**, 1986, *Assistant Professor; Director of Experiential Education*
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- Michael L. Calhoun**, 1985, *Associate Professor of Physical Education and Health*
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- Eric R. Childress**, 1989, *Assistant Professor, Special Materials Cataloger*
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- Jeffrey W. Clark**, 1988, *Assistant Professor of Mathematics*
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- Paul M. Fromson**, 1986, *Assistant Professor of Psychology*
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- Mark Hauser**, 1989, *Part-time Instructor in Music*
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- Priscilla L. Haworth**, 1981, *Assistant Professor, Associate Director of Academic Advising*
B.S., M.A., Appalachian State University
- Richard C. Haworth**, 1974, *Professor of Mathematics*
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- Robert E. Haynes**, 1990, *Assistant Professor of Military Science*
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- Judy S. Henricks**, 1977, *Part-time Instructor in Art*
B.A., University of Illinois; M.F.A., University of North Carolina at Greensboro
- Thomas S. Henricks**, 1977, *Professor of Sociology, Chair, Department of Sociology*
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- John C. Herold**, 1985, *Assistant Professor of English*
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- Wayne W. Hicks**, 1989, *Instructor in Health, Physical Education, Leisure/ Sports Management; Assistant Football Coach*
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- Howard R. Higgs**, 1977, *Associate Professor of Human Services and Psychology; Chair, Department of Human Services*
B.A., Greensboro College; M.A., Ph.D., University of North Carolina at Greensboro
- Vicki V. Hightower**, (1984*), 1986, *Assistant Professor of Computing Sciences*
B.S., M.A.T., Michigan State University; M.S., University of Evansville
- William L. Hightower**, (1981*), 1986, *Professor of Computing Sciences; Chair, Department of Computing Sciences*
B.A., Kalamazoo College; M.S., Ph.D., Graduate Studies, Michigan State University
- B. Bryan Hilliard**, 1988, *Instructor in Philosophy*
B.A., Elon College; M.A., Graduate Studies, University of Tennessee, Knoxville
- Cheryl T. Holt**, 1976, *Instructor in Mathematics*

- A.B., Elon College
- Alvin R. Hooks**, 1990, *Professor of Education*
B.S., M.A., Appalachian State University; Ph.D., University of Michigan
- Herbert W. House, Jr.**, 1977, *Professor of Biology; Chair, Department of Biology and Allied Health*
B.S., Wake Forest University; M.S., Ph.D., University of South Carolina
- Rebecca O. House**, 1978, *Part-time Instructor in English*
B.A., Meredith College; M.Ed., University of North Carolina
- Rosemary Howard**, 1990, *Part-time Instructor in Fine Arts*
B.A., University of North Carolina at Chapel Hill; M.F.A. (in progress), University of North Carolina at Greensboro
- Michael P. Hudson, Jr.**, 1982, *Part-time Instructor in Computing Sciences*
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- Plummer Alston Jones, Jr.**, 1982, *Assistant Professor; Head Librarian and Director of Learning Resources*
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B.A. Illinois Wesleyan University; M.A.L.S., University of Iowa
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B.F.A., M.F.A., University of North Carolina at Greensboro
- Robert Burns King**, 1981, *Part-time Instructor in Organ; College Organist*
B.A., Furman University; M.S.M., Union Seminary in New York; Graduate Studies, University of North Carolina; Study with Michael Schneider, Hochschule fur Musik, Cologne, Germany; Prix de Virtuosite, Schola Cantorum, Paris
- Helen S. Kirchen**, (1979*), 1988, *Assistant Professor of Computing Sciences*
B.S., Columbia University; M.S.L.S., University of North Carolina
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B.S., M.Ed., Kent State University
- Sharon LaRocco**, 1989, *Part-time Instructor in Music*
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- John F. Mitchell**, 1981, *Associate Professor of Business Administration*
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- T. William Morningstar Jr.**, 1972, *Assistant Professor of Physical Education and Health; Golf Coach; Director of Athletic Fund Raising*
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- Rita W. Moss**, 1988, *Assistant Professor, Reference/Bibliographic Instruction Librarian*
B.A., M.Ed., University College of North Wales; M.S.L.S., University of North Carolina at Chapel Hill
- James L. Murphy**, 1984, *Assistant Professor of Mathematics and Computing Sciences*
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- Clair F. Myers**, 1988, *Professor of Fine Arts; Associate Dean of Academic Affairs; Chair, Department of Fine Arts*
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- Susan V. Nicassio**, 1989, *Assistant Professor of History*
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- Kevin J. O'Mara**, 1988, *Assistant Professor of Business Administration*
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- James H. Pace**, 1973, *Professor of Religion*
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- E. Thomas Parham**, 1985, *Associate Professor of Physical Education and Health; Assistant Athletic Director; Tennis Coach*
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- Cynthia A. Pleasant**, 1989, *Assistant Professor of Sociology*
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- R. D. Rao**, 1969, *Professor of Biology; Coordinator of Radiologic Technology*
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- William G. Rich**, 1977, *Professor of Religion; Director of General Studies; Director of Studies Abroad; Associate Dean of Academic Affairs*
B.A., Wake Forest University; B.D., Southeastern Baptist Theological Seminary; Ph.D., Emory University
- Janice Little Richardson**, 1983, *Assistant Professor of Mathematics; Associate Director of North Carolina Teaching Fellows Program*
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- B.A., Mary Washington College; M.A. (in progress), University of North Carolina at Greensboro
- Jean Schwind**, 1990, *Assistant Professor of English*
B.A., St. Olaf College; M.A., Ph.D., University of Minnesota
- Lawrence H. Simon**, 1976, *Professor of Education; Director of North Carolina Teaching Fellows Program*
A.B., M.A.T., University of North Carolina; Ed.D., University of North Carolina at Greensboro
- W. David Sissom**, 1986, *Assistant Professor of Biology*
B.S., M.S., Texas Tech University; Ph.D., Vanderbilt University
- M. Douglas Smith**, 1988, *Instructor in English*
B.A., East Carolina University; M.F.A., Bowling Green State University
- Martha S. Smith**, (1964*), 1970, *Professor of English; Chair, Department of English; Director of Women's Studies*
A.B., Winthrop College; M.A. Presbyterian School of Christian Education; M.A., Ph.D., University of North Carolina
- Joyce E. Speas**, 1978, *Associate Professor of Mathematics and Education*
B.A., Mars Hill College; M.Ed., University of North Carolina at Greensboro; Doctoral Studies, University of Georgia
- John G. Sullivan**, 1970, *Maude Sharpe Powell Professor of Philosophy; Chair, Department of Philosophy*
B.A., M.A., Catholic University; J.C.D., Lateran University; Ph.D., University of North Carolina
- Wonhi J. Synn**, 1989, *Assistant Professor of Business Administration*
B.A., Seoul National University; M.B.A., University of New Orleans; Ph.D., State University of New York at Buffalo
- George A. Taylor**, 1979, *Professor of Political Science and Public Administration; Chair, Department of Political Science and Public Administration*
B.S., Baptist College of Charleston; M.A., Ph.D., University of Georgia
- John H. Teague**, 1987, *Instructor in English*
B.A., M.A., Graduate Studies, University of North Carolina at Chapel Hill
- Stephen G. Ten Eyck**, 1985, *Associate Professor of Fine Arts*
B.S., Eastern Nazarene College; M.Mus., Southern Methodist University; Ph.D., Florida State University
- Karen S. Thompson**, 1985, *Assistant Professor; Director of Placement*
B.S., M.A., Western Carolina University
- Thomas K. Tiemann**, 1984, *Professor of Economics; Dean, Martha and Spencer Love School of Business*
A.B., Dartmouth College; Ph.D., Vanderbilt University; Post-doctoral Study, University of Kansas at Lawrence
- James T. Toney**, 1960, *Associate Professor of Economics*
B.S., M.A., Appalachian State University; Graduate Studies, Teachers College, Columbia University; University of Colorado; Memphis State University

*Year of first appointment.

Carole W. Troxler, 1971, *Professor of History*

A.B., University of Georgia; M.A., Ph.D., University of North Carolina

George W. Troxler, 1971, *Professor of History; Coordinator of Cultural Programs*

A.B., Guilford College; M.A., Ph.D., University of North Carolina

Ann J. Vickers, 1966, *Assistant Professor; Catalog Librarian*

A.B., Elon College; M.L.S., University of North Carolina at Greensboro

Kay A. Villa-Garcia, 1988, *Instructor in Foreign Language*

B.A., Ball State University; M.A., Graduate Studies, Indiana University

Janet L. Warman, 1990, *Assistant Professor of English*

B.A., Emory and Henry College; M.Ed., Virginia Commonwealth

University; M.A., University of Tennessee; Ph.D., University of Tennessee

Rexford A. Waters, 1990, *Assistant Professor of Health, Physical Education, Leisure/Sports Management and Director of Intramural Programs*

B.S., M.S., Virginia Polytechnic Institute and State University

Linda Weavil, 1973, *Professor of Business Administration*

B.S., M.A., East Carolina University; Ed.D., University of North Carolina at Greensboro

Deborah S. Welch, 1988, *Assistant Professor of History*

B.A., Agnes Scott College; M.A., Wake Forest University; Ph.D., University of Wyoming

Jane C. Wellford, 1976, *Part-time Instructor in Physical Education and Fine Arts*

B.F.A., St. Andrews Presbyterian College; M.F.A., University of North Carolina at Greensboro

Charles S. Whiffin, 1990, *Part-time Instructor in Mathematics*

B.S., West Virginia Wesleyan College; M.S., Virginia Tech

Patricia C. Whitaker, 1984, *Assistant Professor of Mathematics*

B.S., M.Ed., C.A.S., University of North Carolina at Greensboro

Alan J. White, (1964*) 1974, *Professor of Physical Education and Health; Athletic Director*

B.S., Wake Forest University; M.Ed., University of North Carolina; Ed.D., Mississippi State University

Jo W. Williams, 1969, *Professor of Education; Vice President for Development*

A.B., Elon College; M.Ed., Ed.D., University of North Carolina at Greensboro

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J. Christian Wilson, 1986, *Assistant Professor of Religion*

A.B., M.Div., Th.M., Ph.D., Duke University

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M.A., Memphis State University; Ph.D., Duke University

Ann M. Wooten, 1984, *Associate Professor of Education, Director of M.Ed. Program*

B.S., M.A., East Carolina University; Ed.D., University of North

*Year of first appointment.

Carolina at Greensboro

Christopher D. Worst, 1989, *Instructor in Health, Physical Education, Leisure/Sports Management; Assistant Football Coach*
B.A., Elon College; M.A., Gardner-Webb College

Daniel W. Wright, 1990, *Assistant Professor of Chemistry*
B.S., Stonehill College; Ph.D., Duke University

James Fred Young, 1973, *Professor of Education; President*
A.A., Mars Hill Junior College; B.S., Wake Forest University; M.A., University of North Carolina; Ed.D., Columbia University; Graduate Studies, Appalachian State University; East Carolina University; University of Virginia

Rudolph T. Zarzar, 1967, *Associate Professor of Political Science*
A.B., M.A., Ph.D., University of North Carolina

Visiting Faculty, 1990-91

Baffour Agyeman-Duah, 1990, *Assistant Professor of International Relations/Political Science at Bennett College*

B.A., Faculty of Arts, University of Cape Coast, Ghana; M.A., Center for International Studies, Ohio University, Athens; Graduate School of International Studies, University of Denver, Colorado; Ph.D., Graduate School of International Studies, University of Denver, Colorado.

Lijiang Han, 1990, *Associate Professor of Foreign Language at Southeast University, Si Pai Lou, Nanjing. (The People's Republic of China)*
Undergraduate Work, Shandong University; Graduate Work, Nanjing University

Oscar S. Lansen, 1989, *Assistant Professor of History*
College het Mollerinstituut, Tilburg; Katholieke Universiteit Nijmegen
Current Affiliation: Katholieke Universiteit Nijmegen, 1986-Present

Bland Simpson, 1990, *Visiting Assistant Professor of English*
B.A., University of North Carolina at Chapel Hill

Administrative Officers and Staff

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Janice Walker, *Faculty Secretary*

Deborah Danley, *Faculty Secretary*

Janie S. Morton, *Faculty Secretary*

Linda Martindale, A.S., A.B., *Faculty Secretary*

Library/Learning Resources

Plummer Alston Jones, Jr., B.Mus., M.S., Ph.D., *Head Librarian/Director of Learning Resources*

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Connie L. Keller, B.A., M.A.L.S., *Technical Services Librarian*

M. Elizabeth Linton, B.A., M.L.S., *Serials Librarian*

Ann J. Vickers, B.A., M.L.S., *Catalog Librarian*

Rita W. Moss, B.A., M.Ed., M.S.L.S., *Reference/Bibliographic Instruction Librarian*

Eric R. Childress, B.A., M.L.S., *Special Materials Cataloger*
 Margaret B. Jobe, B.S., M.R.E., *Public Services Assistant*
 Margaret M. Zang, B.S., *Technical Services Assistant*
 Diane B. Gill, B.A., M.A., *Special Collections Assistant*
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 Terry M. Williams, B.A., *Media Technician*
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 Mary Ann Inabnit, B.S., *Public Services Clerk*
 Sandra B. Kilpatrick, *Technical Services Clerk*
 Lydia I. Berry, *Technical Service Clerk*
 Nira W. Carter, *Technical Services Clerk*
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 Jane M. Ferrell, *Public Services Clerk*
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 Kathleen H. Posten, B.S., M.A., *Area Director, Student Affairs*
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 Jana Lynn Fields Patterson, B.A., M.Ed., *Assistant Dean of Student Affairs*
 David L. Atkins, B.S., M.A., *Assistant Dean of Student Affairs*
 Susan Minton, *Secretary to the Office of Student Affairs*
 Felicia F. Massey, A.B., *Administrative Assistant to the Assistant Dean of Student Affairs*
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 George Barbuto, B.A., M.Ed., *Area Director*
 Robert Overton, B.S., M.Ed., *Area Director*
 Barbara Hanke, B.A., M.A., *Area Director*
 Larissa L. Witt, B.S., *Graduate Resident Director*
 Terry D. Creech, *Director of Safety and Security*
 James DeBerry, B.S., *Traffic Coordinator*
 Robert N. Ellington, M.D., *College Physician*
 Mary Jane Salter, R.N., *Director of Health Services*

Admissions and Financial Planning

Nan P. Perkins, B.A., M.A., *Dean of Admissions and Financial Planning*
 Barry A. Bradberry, A.B., M.Ed., *Associate Dean of Admissions and Financial Planning*
 Ben Utley, A.B., M.Ed., *Associate Dean of Graduate and International Admissions*

Joel T. Speckhard, B.S., J.D., *Associate Dean of Admissions and Financial Planning*
Sharon Walters-Bower, B.S., M.Div., *Associate Director of Admissions and Financial Planning*
Alice N. Essen, B.S., *Coordinator of Graduate and International Admissions and Non-traditional Students*
Ann T. White, B.S., *Associate Director of Financial Planning*
L'Tanya T. Burch, A.B., *Associate Director of Admissions*
Johnny Flournoy, A.B., *Assistant Director of Admissions*
Catherine B. Williams, B.S., *Associate Director of Admissions*
Susan S. Semonite, A.B., *Assistant Director of Admissions*
J. Timothy Spink, A.B., *Assistant Director of Admissions*
Greg Zaiser, B.S., *Admissions Counselor*
Susan Anders, B.S., *Assistant Director of Financial Planning*
Clay Hassard, B.S., M.B.A., *Associate Director of Admissions, Assistant Athletic Director*
Ellen F. Gagnon, *Assistant to the Dean of Admissions and Financial Planning*
Marsha A. Boone, *Coordinator of Office Operations*
Gwynne Warren, *Secretary to the Dean of Admissions and Financial Planning, Staff Secretary/Bookkeeper*
Penny Davis, *Secretary, Graduate and International Admissions*
Dianne Curtis, *Applications Auditor*
Yvette T. Slade, *Coordinator of Data Processing*
Julia H. Tabor, *Admissions Receptionist*
Stephanie VanDerHyde, *Financial Planning Specialist*

Registrar's Office

Mark R. Albertson, B.B.A., *Registrar*
Susan M. Sigmon, B.S., *Assistant Registrar*
Jane T. Fowler, *Assistant to the Registrar for Statistical Analysis*
Kathy Gribble, *Secretary to the Registrar*
Cheryl W. Whitesell, *Registration-Graduation Clerk*
Melissa D. Clark, *Data Entry Operator*
Sandy L. Smith, A.B., *Records Coordinator*

Development Office

Phillip M. Motley, B.S., *Director of Development for Guilford and Alamance Counties*
Robert G. Anderson, B.A., M.A., *Director of Foundation Relations*
J. Earl Danieleley, A.B., M.A., Ph.D., Sc.D., LL.D., *Director of Planned Giving*
Raymond P. Covington, A.B., M.Ed., *Associate Director of Planned Giving*
Helen A. Ellington, B.A., *Development Officer and Coordinator of Development Events*
Drew Van Horn, B.A., M.Ed., *Director of Alumni and Parent Relations*
James Bush, A.B., *Assistant to Director of Alumni and Parent Relations*
Frances Perkins, *Coordinator of Development for Guilford County*

Frances T. Stanley, *Coordinator of Alumni Giving*
 Cindy B. Sykes, A.B., *Gift Records Coordinator*
 Shirley B. Crawford, *Secretary for Development*
 Mary Elizabeth McCauley, *Secretary for Planned Giving*
 Pam Baker, *Secretary for Development*

Administrative Services

James F. Johnson, *Director of Administrative Services*

Accounting

Lorraine M. Allen, A.B., M.B.A., *Director of Accounting*
 Kimala Smith, B.S., M.B.A., *Coordinator of Accounting*
 Angela M. May, B.S., M.B.A., *Accountant*
 Melissa M. Mann, B.S., *Accountant*
 Doris L. Maney, *Head Cashier*
 Karen L. Hughes, *Assistant Head Cashier*
 Marilyn E. Collins, *Clerk, Cashier's Office*
 Kay M. Riddle, A.B., *Clerk, Cashier's Office*
 Kathy M. Ball, *Payroll Clerk*
 Margaret G. Clapp, *Accounts Payable Clerk*
 Carolyn W. Moore, *Accounts Payable Data Entry Clerk*
 Betty S. Maffeo, *Loan Collections*
 Gail B. Key, *Secretary to the Accounting/Purchasing Office*

Auxiliary Services

R. Elbert Pritchard, B.S., M.A., *Coordinator of Auxiliary Services*
 Willie L. Williams, A.B., *Associate Manager, Campus Shop*
 Chris Bunting, *Assistant Manager Campus Shop*
 Barbara F. Cox, *Print Shop Manager*
 Tracy L. Murray, *Print Shop/Mail Services Clerk*
 Rebecca W. Matthews, *Typesetting Manager*
 Teresa A. Saul, *Telecommunications Office Manager*
 Stephen D. Holt, *Telecommunications Service Manager*
 Charles H. Sparks, Jr., B.A., *Mail Services Manager*
 Judith W. McAdams, *Lead Mail Services Clerk*
 Sharon R. Justice, *Mail Services Clerk*
 Larry Leonard, B.A., M.Ed., *Mail Services Clerk*

Computer Services (Administrative)

W. David Wall, B.A., *Director of Computer Services*
 Sheila S. Johnson, A.A.S., *Programmer*
 Rhonda A. Belton, B.A.S., M.B.A., *Associate Programmer*
 R. Douglas McIntyre, B.S., *Assistant Programmer*
 Joanmarie H. Blessington, A.B., *Computer Operator*

Personnel

Carol M. McBane, *Director of Human Resources*
Faye D. Conally, *Secretary*
Doris W. Barr, *Switchboard Operator*

Physical Plant

W. Stanley Greeson, *Director of Maintenance*
Paul C. Holt, *Electrical Services Manager and Assistant Director of Maintenance*
H. Allen Smith, *Mechanical Services Supervisor*
Larry A. Rhodes, B.S., *Landscaping Supervisor*
C. Andrew Carroll, *Environmental Services Supervisor*
C. Ray Brown, *Carpentry Supervisor*
Donna H. DeWoody, *Secretary for Physical Plant*
Judy P. Prevette, *Physical Plant/Telecommunications Clerk*

Purchasing

Vickie S. Martin, B.S., *Purchasing Officer*
Nancy V. Isley, *Purchasing Clerk*

Athletic Affairs

Alan J. White, B.S., M.Ed., Ed.D., *Director of Athletics*
E. Thomas Parham, B.S., M.Ed., *Associate Director of Athletics; Head Men's Tennis Coach; Director of Fightin' Christian Club*
T. William Morningstar, A.B., M.A., *Golf Coach; Assistant Director of Fightin' Christian Club*
Martin H. Baker, B.S., M.S., *Athletic Trainer*
Kyle D. Wills, A.B., *Athletics Business Manager*
William A. Grubbs, Jr., B.S., *Sports Information Director*
Leon Hart, B.A., M.Ed., *Head Football Coach*
Larry F. Stephens, B.A., M.S., *Assistant Football Coach; Defensive Coordinator*
R. Clay Hassard, B.S., M.B.A., *Assistant Director of Athletics; Associate Director of Admissions*
Larry D. McClain, B.S., *Assistant Football Coach; Coordinator of Academic Advising*
Christopher D. Worst, B.A., M.A., *Assistant Football Coach; Head Track Coach*
Wayne W. Hicks, B.S., M.S., *Assistant Football Coach; Assistant Track Coach*
Jacquelyn M. Myers, B.S., M.A., *Women's Basketball and Tennis Coach*
Robert J. Burton, Jr., B.A., M.S., *Head Basketball Coach*
Susan E. Leonard, B.S. M.S., *Women's Volleyball and Softball Coach*
Larry Leonard, B.A., M.Ed., *Assistant Basketball Coach*
Robert A. Brewer, B.S., M.S., *Men's and Women's Soccer Coach*
Michael T. Harden, B.S., M.S., *Baseball Coach*
John N. Patterson, B.A., M.Ed., *Assistant Football Coach, Offensive Line*
Doris C. Gilliam, *Secretary to the Athletic Department*
Andrea H. Albertson, *Secretary to the Athletic Department*
Martha Lou Harper, *Secretary to the Athletic Department*

Publications

- N. Patricia Kinney, B.A., M.A., *Director of Publications and Public Information*
 Susan C. Klopman, B.A., *Assistant Director of Public Information*
 Catherine M. Horne, B.E.D., *Assistant Director of Publications*
 Scott E. Engle, B.A., *Graphic Design and Photography Specialist*

Retired Faculty and Administration

- Ralph V. Anderson, B.S., M.S., B.D., Ph.D., *Professor of Economics*
 Malvin N. Artley, B.Mus., M.Mus., D.F.A., *Professor of Music*
 Edith R. Brannock, A.B., M.A., *Assistant Professor of Home Economics*
 Marydell R. Bright, A.B., M.Ed., *Dean of Admissions and Financial Aid*
 W. E. Butler, A.B., C.P.M., *Business Manager and Treasurer*
 Mattie Lee S. Lee Byrd, A.B., *Assistant Librarian*
 Paul H. Cheek, B.S., Ph.D., L. L. Vaughn *Professor of Chemistry*
 Ruth L. Cheek, A.B., M.A., *Assistant Professor of Chemistry*
 Janie E. Council, A.B., M.A., *Associate Professor of Business Administration and Accounting*
 Edwin L. Daniel, A.B., B.F.A., M.F.A., *Associate Professor of Art*
 Robert W. Delp, Ph.D., M.A., B.D., B.S., *Professor of History*
 Helen Euliss, B.S., *Associate Professor of English*
 Daniel Feinberg, B.B.S., M.A., Ph.D., *Professor of Business Administration*
 Betty K. Gerow, A.B., M.A., *Associate Professor of English*
 Rachel Y. Holt, A.B., M.Ed., M.A., *Assistant Professor of History*
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The income from tuition and fees constitutes only a part of the income of the College. Other sources of income include the annual gifts from the churches of the Southern Conference of the United Church of Christ; a share of the contributions received by the Independent College Fund of North Carolina; earnings from the permanent endowment funds of the College; and the contributions of individuals, foundations, business and industry.

In addition to the general endowment funds of the College, special endowment funds have been established for specific purposes:

Biomedical Reference Laboratory Program. Established by the company, this endowment fund provides unrestricted income for the college.

Boone Memorial Fund. Established by the late Dr. William H. Boone, of Durham, N.C., a long-time member of the Board of Trustees, in memory of his wife, Mrs. Annie Elizabeth Moring Boone.

James H. R. Booth Endowment Fund. This fund was created by Dr. James H. R. Booth, an alumnus of Elon, preferably for support of the Department of Religion.

George R. Chandler Endowment Fund. George R. Chandler, a member of the Class of 1935 and a coal mining executive in Western Kentucky, bequeathed funds to the college to establish this endowment.

Thomas W. and Mary Watson Chandler Endowment Fund. This fund was established by a gift from Mrs. Chandler.

Civil War Collection Endowment Fund. To maintain Civil War Collection given by Hubert McLendon.

The Daniels-Danieley Award. The Daniels-Danieley Award for Excellence in Teaching was established in honor of the parents of the sixth president of the College, James Earl Danieley, and his wife, Verona Daniels Danieley. The income from this fund is used to provide a certificate of recognition and cash award each year to a faculty member whose teaching is characterized by excellence.

Dwight Merrimon Davidson Endowment Fund. Established by C. Vincent and Eleanor Davidson Long in memory of Mr. Davidson, Class of 1905, income from this fund is used to procure original works of art for the Dwight M. Davidson Collection.

Elbert and Esther Fertig DeCoursey Fund. Established by C. Max Ward, Class of 1949, and Cynthia Fertig Ward in honor of Mrs. Ward's aunt and uncle, Major General Elbert DeCoursey, nationally known pathologist, and Esther Fertig DeCoursey. The earnings from this fund will be used to benefit the Department of Biology.

Dofflemyer Fund. Established in memory of the late Milton A., Sr., and Naomi Frazier Dofflemyer by their children.

Elon College Community Orchestra Endowment Fund. Established by friends of the Orchestra to provide assistance for principal orchestra players and for support of the orchestra.

George Joseph Fertig Fund. Established by C. Max Ward, Class of 1949, and Cynthia Fertig Ward in memory of her father, Dr. George Joseph Fertig, eminent metallurgist from Birmingham, Alabama. The income from this fund will be used for the support of the Department of Chemistry.

D. R. Fonville, Sr. Fund. A bequest from the estate of DeRoy Ransom Fonville, Sr., who served as a trustee of the College from 1914 until his death, April 21, 1958. The earnings from the fund are to be used to purchase books for the library.

Ford Endowment. The principal amount of this fund was a gift from the Ford Foundation. All earnings of the fund are used to increase salaries of full-time professors.

Ella V. Gray Memorial Fund. Proceeds to be used to purchase books to be added to the library's collection of Southern literature. Following a bequest from Mrs. Gray, this fund was established by Garland Gray as a memorial to his mother.

George W. Harden Trust. Established by a bequest from the estate of Mr. Harden of Graham, N.C., income from this trust fund is used to support the general purposes of the college.

The G. Thomas Holmes and Gladys Wright Holmes Endowment for Chemistry. Income from this endowment is to be used in the Elon College Chemistry Department at the discretion of the head of the department in ways that will: (1) improve the department's facilities or curriculum and (2) qualify the department to prepare pre-engineering students for admission to professional engineering schools.

The Jefferson-Pilot Professorship. This fund was established by the Jefferson-Pilot Corpora-

tion, Greensboro, NC. The recipient is appointed by the President of the college from any academic discipline within the college.

Kernodle Foundation. A gift from Mrs. Attrice Kernodle Manson of Burlington, NC, in memory of Dr. J. L. Kernodle and in honor of Mrs. J. L. Kernodle.

John T. Kernodle Memorial Fund. Created by a bequest from the estate of John T. Kernodle, an alumnus of the Class of 1908.

Peter Jefferson Kernodle and Louise Nurney Kernodle Memorial Fund. Created by a bequest from the estate of John T. Kernodle, an alumnus of the Class of 1908, in memory of his mother and father.

Virginia Beale Kernodle Memorial Fund. The fund was established by John T. Kernodle, Class of 1908, as a memorial to his wife, Virginia Beale Kernodle, valedictorian of the Class of 1913. The earnings from the fund are to be used for the upkeep of Whitley Memorial Auditorium. Mrs. Kernodle was the granddaughter of the late Leonard Hume Whitley, for whom the auditorium was named.

Literature, Languages and Communications Endowment. Income is used to promote academic excellence in the study of literature, languages and communications, and to support lectures and other appropriate literary events.

The Martha and Spencer Love School of Business Fund. Established in 1985, this endowment created the college's School of Business and provides the resources required to maintain it. The School is a memorial to Spencer Love, who established Burlington Industries, and his wife, Martha.

Iris Holt McEwen Community Service Award. Established by Katherine Iris McCrary, James McEwen McCrary, and John A. McCrary, III, grandchildren of Mrs. McEwen, this award honors the late trustee by providing cash to students each year for college expenses and the charity of the students' choice.

The James H. McEwen, Jr. Endowment Fund for the Fine Arts. Established by James H. McEwen, Jr. of Milford, Connecticut. Income from this fund will be used for the enrichment of the Fine Arts program.

Sarah M. Moize Endowment Fund. Established by Mrs. Moize to support the general operating expenses of the student health services at the college.

NCNB Corporation Endowment for Field Studies. To provide resources for students enrolled in the Martha and Spencer Love School of Business to travel off campus to gain hands-on experience in the business world.

Francis Asbury Palmer Fund. This fund was established by Francis Asbury Palmer of New York.

Maude Sharpe Powell Professorship. Established as a memorial to their mother by John S., Dr. James B., and Dr. Thomas E. Powell, III. Income from this endowment provides a chair for an outstanding professor.

The Thomas Edward Powell, Jr. Professorship of Biology. Established by the Thomas E. Powell, Jr. Biology Foundation. Dr. Powell was professor of biology at Elon College from 1919 to 1936 and is founder of Carolina Biological Supply Company. Income from the endowment provides a chair for an outstanding professor in the field of biology.

Ferris E. Reynolds Lectureship. To fund an annual lecture arrangement by members of the Department of Philosophy.

George Shackley Award. Established by Mr. Shackley by bequest, for most improved piano student; organ student.

L. L. Vaughan Fund. A bequest from the estate of the late Professor L. L. Vaughan, who served as a trustee of the college from 1928 to 1956.

Drusilla Dofflemeyer Voorhees Fund. Created in honor of Drusilla Dofflemeyer Voorhees, Class of 1924, by friends in recognition of her many years of devotion to her students and her contribution to education as a classroom teacher. The income from this fund is used to support the general operation of the college.

Wachovia Fund for Excellence. To provide unrestricted support to Elon College.

The Walter and Dorothy Westafer Fund for the Fine Arts. Given in memory of Dorothy Stambaugh Westafer by family and friends of Walter and Dorothy Westafer, income from this endowment fund is used to enrich programs and projects that will enhance the cultural life of the Elon College campus.

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ELON

COLLEGE

Office of Admissions and

Financial Planning

Elon College, North Carolina

27244-2010

ELON



Academic Catalog 1992-1993

ELON COLLEGE

1992-93

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Elon Vol. 103—September 1992 (UPS 076-160) Published annually at Elon College, NC 27244-2010. Elon College does not discriminate on the basis of race, color, sex, handicap, and national or ethnic origin in the recruitment and admission of students, the recruitment and employment of faculty and staff, and the operation of any of its programs. The College's Section 504 Coordinator is Priscilla Haworth, Associate Director of Academic Advising, Alamance 101.

Elon College reserves the right to add or drop programs and courses, to institute new requirements when such changes appear desirable, and to change the calendar which has been published. Every effort will be made to minimize the inconvenience such changes might create for students.

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Communications with Elon College

This bulletin contains pertinent information about the College, its philosophy, programs, policies, regulations and course offerings. All students and prospective students are urged to read it carefully and completely. Correspondence relating to official business should be addressed as follows:

President

General information

Provost and Senior Vice President

Administrative and student affairs policies

Long-range plans

Vice President and Dean of Academic Affairs

Academic program

Academic work of students in college

Faculty positions

Special programs

Dean of Admissions and Financial Planning

Admissions

Requests for applications, catalogs or bulletins

Scholarships, student loans, and student employment

Dean of Student Affairs

Housing

Student affairs

Vice President for Business and Finance

Administrative Services

Payment of student accounts

Inquiries concerning expenses

Vice President for Development

Public relations

Contributions, gifts or bequests

Estate planning

Director of Placement

Career options for students

Employment of seniors and alumni

Registrar

Requests for transcripts

Evaluation of transfer credits

Student educational records

Director of Alumni and Parent Relations

Alumni affairs

Parent relations

Director of Academic Advising

Course scheduling

Academic counseling

Calendar

Fall Semester 1992

Aug 26 (Wed)	Orientation
Aug 27 (Thu)	Orientation; Evening School Registration
Aug 28 (Fri)	Registration
Aug 29 (Sat)	Drop-Add Day
Aug 31 (Mon)	Classes Begin
Sept 3 (Thu)	Last Day for Late Registration
Oct 9 (Fri)	Mid-Semester Reports Due; Fall Break Begins at 1:25 p.m.
Oct 14 (Wed)	Fall Break Ends at 8:00 a.m.
Oct 22 (Thu)	Last Day for Dropping Course with "W"
Oct 26 (Mon)	Last Day to Remove Incomplete ("I") and "NR" Grades
Nov 11 (Wed)	Preregistration Begins for Winter Term & Spring Semester 1993
Nov 24 (Tue)	Thanksgiving Holiday Begins Following Evening Classes
Nov 30 (Mon)	Thanksgiving Holiday Ends at 8:00 a.m.
Dec 8 (Tue)	Classes End
Dec 9 (Wed)	Reading Day (Evening Exams Begin)
Dec 10-15 (Thu-Tue)	Examinations
Dec 17 (Thu)	Grades Due at 1:00 p.m.

Winter Term 1993

Jan 4 (Mon)	Registration
Jan 5 (Tue)	Classes Begin
Jan 6 (Wed)	Last Day for Late Registration
Jan 14 (Thu)	Last Day for Dropping Course with "W"
Jan 22 (Fri)	Classes End
Jan 25 (Mon)	Examinations
Jan 27 (Wed)	Grades Due at 9:00 a.m.

Spring Semester 1993

Feb 1 (Mon)	Registration
Feb 2 (Tue)	Drop-Add Day; Evening Classes Begin (5:30 p.m. & later)
Feb 3 (Wed)	Day Classes Begin
Feb 9 (Tue)	Last Day for Late Registration
Mar 19 (Fri)	Mid-Semester Reports Due; Spring Vacation Begins at 1:25 p.m.
March 29 (Mon)	Spring Vacation Ends at 8:00 a.m.
March 31 (Wed)	Last Day for Dropping Course with "W"
April 8 (Thu)	Last Day to Remove Incomplete ("I") and "NR" Grades
April 19 (Mon)	Preregistration Begins for Summer and Fall 1993
May 11 (Tue)	Classes End
May 12 (Wed)	Reading Day (Evening Exams Begin)
May 13-18 (Thu-Tue)	Examinations
May 19 (Wed)	Senior Grades Due by 9:00 a.m.
May 22 (Sat)	Commencement; Last Day of School
May 24 (Mon)	Grades due at 1:00 p.m.

Summer School 1993

First Term:

June 2 (Wed)	Registration; 2:30 & 5:30 p.m. Classes Begin
June 3 (Thu)	All Other Classes Begin; Last Day for Late Registration
June 16 (Wed)	Last Day for Dropping Course with "W"
June 29 (Tue)	Classes End
June 30 (Wed)	Examinations
July 2 (Fri)	Grades Due at 9:00 a.m.

Second Term:

July 7 (Wed)	Registration; 2:30 & 5:30 p.m. Classes Begin
July 8 (Thu)	All Other Classes Begin; Last Day for Late Registration
July 21 (Wed)	Last Day for Dropping Course with "W"
Aug 3 (Tue)	Classes End
Aug 4 (Wed)	Examinations
Aug 6 (Fri)	Grades Due at 9:00 a.m.

Elon College is a coeducational, residential, church-related college on a spacious campus near Burlington, North Carolina. The College derives its name from its location in what was an oak forest in the heart of Piedmont North Carolina. "Elon" is the Hebrew name for "oak," and the campus still abounds with these majestic trees.

Location

Fifteen miles west of Elon College, along Interstate 85, is the thriving city of Greensboro. To the east are the intellectual resources of the Research Triangle, internationally known for its scientific research in computer technology and other endeavors. Flanking the Research Triangle are Duke University at Durham, the University of North Carolina at Chapel Hill, and North Carolina State University at Raleigh. The Elon College community enjoys the lifestyle of a relatively small institution yet has the advantages of being centrally located to major institutional and urban resources in nearby areas.

Students

Elon College, founded by the Christian Church in 1889, is committed to the liberal arts as the best preparation students can have for rewarding, meaningful lives. From its initial enrollment of 108 students, Elon has grown steadily. Elon's 3,083 undergraduate and 138 graduate students come from 36 states and 25 foreign countries. Slightly more than half of the students are women, and the student body includes several racial and socio-

economic groups. Elon College admits students of any race, color, sex, and national or ethnic origin without discrimination.

This diversity enriches the life of the community and reflects the nature of American society itself. Elon challenges students to excel intellectually, to pursue self-fulfillment, and to learn the meaning of service to others.

Faculty

Working with the Elon students are a dedicated staff and an outstanding faculty whose primary concern is teaching. They have been chosen because of their academic preparation, individual initiative, and commitment to excellence in teaching. Many of Elon's faculty have expressed their satisfaction with the College through long years of service. Elon purposely remains small enough that the relationship between faculty and students is friendly, informal and lasting.

Programs

The academic program is designed to develop in each student a mature proficiency in the use of the English language, an awareness of history and an appreciation of cultural, social and scientific achievements. The upper level courses provide opportunities for concentration in areas of special interest and in professional and career-oriented branches of learning. To meet such individual needs, the academic program includes such features as independent study, study abroad opportunities, internships and cooperative education.

Complementing the classroom at

Elon College is a broad range of activities and student life programs designed to enable students to find their personal identities, refine their social skills, broaden their perspectives, and create lifetime friendships.

Academic Calendar

The College's academic year is divided into a 4-1-4 calendar. The fall semester is a four-month term, ending prior to Christmas holidays, followed by a one-month winter term and a four-month spring semester. During the one-month term opportunities are offered for travel, study abroad, internships and service programs in addition to specialized courses on campus. Evening classes and a summer school of two terms of four weeks each are offered on a regular basis.

The calendar is designed to meet the needs of the following persons: (1) full-time students who plan to complete degree requirements within four years, (2) part-time students, (3) high school seniors who wish to take one or two college-level courses, (4) members of the community who desire further educational work in day or evening classes, and (5) those seeking a graduate degree in business (MBA) or education (M.Ed). Summer school serves the above purposes, in addition to providing an opportunity for new students or students enrolled in other colleges to accelerate completion of degree requirements.

History

To provide a quality undergraduate education has been the mission of Elon College since its founding by the Christian Church in 1889. Two schools were forerunners of Elon

College: The Graham College, established in 1851 in Graham, N.C.; and the Suffolk Collegiate Institute, established in 1872 in Suffolk, Va. The Southern Christian Convention, now a part of the United Church of Christ, voted in 1888 to establish Elon College.

The site of the new college was known as Mill Point, located four miles west of Burlington, North Carolina. In its early years Elon endured many tribulations. The student body was severely reduced during World War I, and a major fire in 1923 destroyed most of the campus buildings. Within three years a new campus arose from these. The five central buildings, including Alamance, were built at this time. The great depression and World War II created many problems for the College.

The decades following World War II were years of physical growth and academic development. New buildings went up as enrollment increased, and the College expanded beyond its brick walls. Students from half of the states in the Union, as well as foreign countries, gave the College a regional complexion. In fall 1984 the College began offering a master of business administration degree and in fall 1986 a master of education degree. Elon's seven presidents have provided the leadership essential for progress.

Historically the College has played a significant role in teacher education. A program of instruction and experiences designed to prepare teachers continues to be a major objective of the College.

Although there have been many changes through the years, Elon remains church-related rather than church controlled. It has held in high esteem its commitment to general

Christian principles and values as an appropriate foundation for the development of human personality and social order.

The Mission of Elon College

Motivated by the beliefs and spiritual values that have grown out of its founding by the historic Christian Church, Elon College offers men and women a liberal arts education to enrich them as human beings and to prepare them for the choice of a profession and for service to their communities. Within this context, Elon College also offers selected career oriented majors and graduate programs to facilitate professional development.

In accordance with the provisions of the charter, it is the aim of Elon College to provide its students the opportunity to develop:

1. a personal philosophy of life which will be reflected in a sense of integrity, high ethical standards, and significant religious insights and practice;
2. an understanding of their responsibilities and rights as citizens in a democratic society, and a recognition of the intrinsic worth of all individuals;
3. an informed respect for the differences among cultures as well as an understanding of the interdependence of world conditions and of the need for individual and collective responsibility for the environment;
4. a love of learning and sensitivity to aesthetic values sufficient to stimulate continued intellectual and cultural growth;

5. the ability to gather information, to think critically, logically, and creatively, and to communicate effectively;
6. a basic knowledge of the humanities, natural sciences and social sciences, and an appreciation of their interrelationships;
7. a level of competence in at least one field of knowledge sufficient to provide depth of intellectual perspective and preparation for graduate study or professional activity;
8. an understanding of the principles of mental and physical health essential for developing a lifestyle of wholeness and well-being;
9. an appreciation of the potential for lifelong personal growth and professional development which their own distinct abilities and aptitudes provide.

In keeping with these educational objectives, Elon College recognizes its broader responsibilities as an institution of higher learning. The college supports scholarly and artistic expression by providing the conditions for serious intellectual work by both students and faculty. It furthermore promotes open and honest inquiry, respect for persons of all circumstances, sensitivity to diverse cultural traditions, an understanding of the economic environment, an appreciation for the value of work, and habits of democratic citizenship. As participants in a community of learners, all members of the college are expected to enact the ideals of personal integrity and public responsibility.

Accreditation

Elon College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award bachelor's and master's degrees.

The College is a member of the following associations:

The American Council of Education

The Association of American Colleges

The American Association of University Women

The North Carolina Association of Colleges and Universities

The North Carolina Association of Independent Colleges and Universities

Independent College Fund of North Carolina

The Council for Higher Education of the United Church of Christ

National Commission on Accrediting

The American Assembly of Collegiate Schools of Business

The Association of Collegiate Business Schools and Programs

Campus and Buildings

The Elon campus is beautiful, spacious, and rich in stalwart oak trees. It is designed and equipped to serve its living and learning community. Extensive building and improvement projects have been completed in recent years, including six fraternity and sorority houses on north campus in 1989, six apartment complexes on east campus in 1989, a new fine arts center in 1987, four residence halls in 1982 and 1984, and a new fountain, plaza area in 1982. Buildings housing the classrooms and laboratories have been extensively renovated, and new equipment and furniture have been

provided. The McEwen Dining Hall, William S. Long Center, Iris Holt McEwen Library, Harper Center, and 12 residence halls have been constructed since 1956. Completed in 1970 were an office and classroom building and a physical education facility, which includes an indoor swimming pool. The present living and dining facilities serve a resident student body of approximately 1,800.

Alamance Building houses administrative offices and classrooms. Citizens of Alamance County contributed the money to build this structure after the old administration building was destroyed by fire in 1923. The Alamance Building was extensively renovated in 1981. The area in front of Alamance Building is known as Scott Plaza and is the gift of former State Senator Ralph H. Scott, a member of the Elon College Board of Trustees, in memory of his wife, Hazeleene Tate Scott. In the center of the plaza is Fonville Fountain, a gift of Rudy M. and Frances (Turner) Fonville '28. The fountain and plaza were completed in 1982.

The Alumni Memorial Gymnasium was built in 1949 by former students as a memorial to Elon alumni who lost their lives in two World Wars. It seats 4,500 for basketball games. The 25,000 square feet of floor space houses offices, classrooms, dressing and shower rooms for both men and women, and a playing floor area large enough for three intramural basketball games to be played at the same time.

The Athletic Field consists of 50 acres of practice and playing fields, situated around the campus. There is adequate space for all sports.

Bakatsias Soccer Field, provided in 1984 by George, Terry and Johnny Bakatsias in honor of their parents, is one of the finest soccer facilities in the area.

John Barney Hall houses 54 students. This three-story brick building was named in memory of John W. Barney, who was a member of the Elon College faculty for 33 years.

Ned F. Brannock Hall, housing 48 students, is a three-story brick structure named in memory of Dr. Ned F. Brannock, a member of the Elon College faculty for more than 50 years.

Carlton Building was the gift of three trustees of the College: P.J. Carlton, H.A. Carlton and L.E. Carlton, and their sister, Mrs. J. Dolph Long. The Carlton Building was extensively renovated in 1991. This structure houses three large lecture halls, state-of-the-art multimedia equipment, classrooms, faculty offices, publication facilities, and the Academic Computer Center.

Carolina Hall, erected in 1956, houses 126 students. Congregational Christian Churches in North Carolina pledged the funds for this three-story brick building.

Chandler Hall is a residence hall housing 92 students. It was constructed in 1982 in honor of Wallace L. Chandler '49, a trustee of Elon College and senior vice president of Universal Leaf Tobacco Company, Inc., of Richmond, Virginia.

Colclough Hall is a residence hall designed to house either men or women. Constructed in 1982, it has a capacity of 96 persons. It was named in memory of George D. Colclough '26, through a gift by Royall H. Spence Jr. '42, and his wife, Luvene Holmes Spence '43. Mr. Spence is a

trustee of Elon College and president of Canada Dry Bottling Company of Greensboro, Inc. Mr. Colclough was a trustee of Elon College and a well-known business leader in Burlington.

Duke Science Building has modern scientific equipment and laboratory apparatus. It houses the Departments of Physics, Biology and Chemistry. In memory of their mother, Mrs. Artelia Roney Duke, J.B. Duke and B.N. Duke contributed to the cost of erecting this building. Classroom and laboratory space underwent extensive renovation in 1988.

East Building was acquired by the College in 1978. It is used for maintenance storage and central receiving. It also houses offices of the director of physical plant, executive housekeeper, and director of mail services. A gymnasium and dance studio complete the facility.

East Campus Apartments, completed in 1989, consist of six buildings each housing 32 students. Reserved for upper classmen, the facility offers an alternative to traditional residence hall accommodations.

The R.N. Ellington Health Center provides health services for students and includes multiple examination rooms and offices for the professional staff.

The Fine Arts Building was opened for the 1987-88 academic year. In addition to classroom and office facilities for the art, music, drama, communications and dance programs, the \$8 million facility features a 600-seat theater and a 125-seat recital hall.

Fraternities and Sororities are housed in several residences owned by the College, in residence hall suites, and in a fraternity/sorority court of six buildings completed in 1989.

Holland House is the former residence of the College president. Constructed in 1963, it is located at 301 East Haggard Avenue. It was named in memory of Shirley T. Holland, a long-time College trustee, by Mrs. Holland and their sons. The facility currently houses administrative offices.

A.L. Hook Hall, housing 40 students, was named for Dr. A.L. Hook who was a member of the Elon College faculty for more than 50 years. Built in 1966, it is a three-story brick residence hall.

The B. Everett Jordan Gymnasium, named in honor of the late Senator B. Everett Jordan and completed in 1970, contains the Vance Beck swimming pool, physical education teaching gymnasium, human performance laboratory, handball court, weight training room and offices and classrooms.

The Jordan Complex is named in honor of John M. Jordan, Alamance County businessman. Built in 1980 and 1984, the complex houses 272 male and female students in two-room suites. The complex also contains a commons building with study, lounge and laundry facilities.

The John Koury Field House was constructed in 1980 through the generosity of Ernest and Maurice Koury in memory of their father. The building provides dressing facilities for Elon's football and baseball teams as well as a modern training room, laundry and coaches' dressing room.

LaRose Resources Center was named in honor of Mr. and Mrs. Edgar H. LaRose and Mr. and Mrs. Robert E. Hettel, parents of Elon Trustee Robert E. LaRose and his wife, Gail Hettel LaRose. Located in Mooney Building, the center provides instructional support to faculty, tutorial services to students and provides audio-

visual and computer equipment, as well as cable and satellite TV services.

Haggard Avenue House, a turn-of-the-century mansion, was built by Walter P. Lawrence, first dean of the college and a member of the N.C. General Assembly. The facility was purchased by the college in 1984 and has undergone extensive renovations.

The Lodge was acquired by the College in 1984. Located one mile from the campus, the 25-acre tract has a large lodge, picnic shelter, conference facilities and recreation areas.

William S. Long Student Center, constructed in 1966, houses the campus shop, the Varsity Grille, lounges, meeting rooms, student government offices, a listening room, a photography lab, and game room. The building was named in memory of William S. Long, first president of the College.

Maynard Hall is a residence hall for 131 students. Constructed in 1982, it was named in honor of Reid and Grace Maynard. Mr. Maynard was a trustee of Elon College and chairman of the board of Tower Hosiery Mills, Burlington.

Maynard House is the residence of the College president. It is located a short distance from campus. The home was bequeathed to the College through the estate of Reid and Grace Maynard in 1988.

McEwen Memorial Dining Hall, completed in 1956, was built as a memorial to James H. McEwen, long an industrial and civic leader in Burlington. The first floor accommodates more than 400 students in a modern and attractive cafeteria and also contains a smaller dining room for special luncheon meetings. On the second floor is an additional dining hall/banquet room large enough to accommodate 450 persons.

Iris Holt McEwen Library, completed in the summer of 1968, is fully air conditioned and carpeted. Open stacks contain a well-rounded collection of more than 170,000 volumes and extensive audiovisual and microform holdings. Approximately 50,000 government documents have been added to the collection since the library became a government depository in 1971.

The Spence Collection, which was the former Stratford College Library, was given to the College in 1975 in honor of Royall H. Spence, Sr., by Mrs. Spence and their children, Mary Spence Boxley, Dolly Spence Dowdy and Royall H. Spence Jr.

Mooney Building was given to Elon by M. Orban Jr., in memory of his father-in-law, the Reverend Issac Mooney. This building houses faculty offices, classrooms, the LaRose Resources Center, computer labs and the Curriculum Resources Center.

Lake Mary Nell, a five-acre lake near the center of campus, was named in honor of Mary Nell Jennings, daughter of Elon College Trustee Maurice Jennings and Patricia Jennings.

Newsome Field is a modern baseball stadium donated in 1977 by Webb Newsome '37, and his wife, Jessie Cobb Newsome '36. A member of the Elon College Sports Hall of Fame, Webb Newsome was outstanding in baseball, football and boxing while at Elon.

North Hall, located near the Harper Center, houses male students.

The Caroline Powell Building, named in honor of Miss Caroline Powell, was completed in 1970. In 1991, with a bequest from Harvey Mebane Allen, major renovations were made to the first floor, creating

the Admissions Center. The second and third floors contain classrooms and faculty offices.

The Jimmy Powell Tennis Center, a 12-court, championship tennis complex was built in 1988 and is one of the finest small-college tennis complexes in the nation.

Power Plant provides heat for the entire College.

Rudd Field, a multi-purpose athletic field named for Clyde Rudd Sr. '37, is used for football, softball and intramural sports.

Sloan Hall, a three-story brick structure housing 129 students, was named in honor of Dr. W.W. Sloan and Bessie Pickett Sloan, members of the Elon College faculty for 25 years.

Leon Edgar Smith Hall is a three-story residence hall erected in 1957 to house 126 students. The building was named for Dr. L.E. Smith, former President of the College.

Staley Hall, Moffitt Hall, Harper Center and Harden Dining Hall were completed in 1968. Staley Hall houses 200 students and Moffitt Hall 100 students. The two residence halls are joined by Harper Center, which contains a lounge, the College radio station, a recreation area, The Back Door (a non-alcoholic pub), and Harden Dining Hall. These buildings were named in memory of Dr. W.W. Staley, Dr. E.L. Moffitt, and Dr. W.A. Harper, three past Presidents of Elon College, and are located north of the main campus, beyond the gymnasium.

Virginia Hall, a three-story modern brick structure erected in 1956, houses 129 students. Congregational Christian Churches in Va. pledged the money to pay for this residence hall.

West Hall is a three-story brick structure adjacent to the Carlton

Building. The first floor contains faculty offices and a large lounge. Eighty-one students are housed on the second and third floors.

Whitley Memorial Auditorium has a seating capacity of approximately 500. Faculty and administrative offices are located in the rear of this building.

Names associated with Elon College buildings, rooms, and other facilities are a way of recognizing outstanding service to the institution. Facilities are usually recognized with a brass plaque giving the date, the name of the facility, and in some cases, the donor of the facility. As buildings and other facilities become obsolete or the needs of the college change, the brass plaques are added to the college archives, preserving in perpetuity the memory of those honored.

Visitor Information

Visitors to the College are welcome at all times. The administrative offices are open Monday through Friday from 8:00 a.m. until 5:00 p.m. The admissions office is also open Saturday from 9:00 a.m. until noon. Administrative officers and members of the faculty are available at other times by appointment made in advance.

Travel Information

Elon College is in the town of Elon College, N.C., a community adjacent to Burlington, 15 miles east of Greensboro, and 64 miles west of Raleigh. It is accessible to airline services in Greensboro. The telegraph address is Burlington and the College is served by the Burlington telephone exchange. The number at the main switchboard is (919) 584-9711.

The academic program at Elon College is designed to prepare qualified students to enter graduate and professional schools or to go directly into such fields as business, teaching, public service and allied health. The bachelor's degree consists of a major field of concentration in the liberal arts or in a professional or preprofessional area, a general studies program, and elective courses.

Degrees and Major Fields of Concentration

Courses are offered leading to the graduate degrees of Master of Business Administration and Master of Education and the undergraduate degrees of Bachelor of Arts and Bachelor of Science.

The Master of Business Administration program requires 36 semester hours of graduate credit. Students are encouraged to apply regardless of undergraduate major. The Master of Education program requires 30 semester hours of graduate credit in Elementary Grades or Middle Grades.

The Bachelor of Arts degree is awarded in the following fields: Biology, Chemistry, Communications (Broadcast and Corporate), Computer Science, Economics, Education (Elementary; Middle Grades; Secondary—various subject areas), English, French, General Music, History, Human Services, Journalism, Mathematics, Music, Music Theatre, Philosophy, Physics, Political Science, Psychology, Public Administration, Religious Studies,

Science Education, Social Science, Sociology, Spanish, and Theatre Arts.

The Bachelor of Science degree is awarded in the following fields: Accounting, Biology, Business Administration (Management, Finance, and Marketing), Chemistry, Computer Information Systems, Health Education, Leisure/Sports Management, Mathematics, Medical Technology, Music Education, Physical Education, and Sports Medicine.

Minor Fields of Concentration

Candidates for the bachelor's degree may elect a minor concentration consisting of at least 18 semester hours.

The following minor fields are available: Accounting, Anthropology, Biology, Business Administration, Chemistry, Computer Science, Computer Information Systems, Dance, Economics, English, French, Geography, History, Human Services, International Studies, Journalism/Communications, Leisure/Sports Management, Mathematics, Music, Philosophy, Physical Education, Physical Education (Coaching), Physics, Political Science, Psychology, Public Administration, Religious Studies, Sociology, Spanish, Sports Medicine (Athletic Training, Exercise/Sports Science), Studio Art, Theatre Arts, and Women's Studies.

General Studies

The purpose of General Studies at Elon College is to provide students the opportunity to acquire the skills, the experiences and the knowledge needed to obtain the broad philo-

sophical, aesthetic, historical and scientific bases for understanding and evaluating human experience. As means to that end, the College offers all students a broad range of experience in four areas:

First, the Foundational Studies area helps the student develop the ability (1) to think clearly and critically, (2) to write clear, correct English prose, and (3) to use methods of computation and to understand quantitative relationships and mathematical systems.

Second, Liberal Studies acknowledges that an important goal of an undergraduate education is adaptability, since the future will include not only evident problems but the unforeseen. The five sub-areas in Liberal Studies (expression, science, reflection, civilization, society) reflect a broad and diversified curriculum designed to prepare students for a future of continual growth.

Third, courses offered for Advanced Studies, particularly those courses offered as general studies seminars, involve more than one perspective and frequently more than one discipline.

Fourth, Physical Education is designed to promote lifelong fitness.

General Studies are by nature cumulative and developmental. Thus the Elon College student will deal with these issues throughout his college years from initial enrollment to graduation.

The Martha and Spencer Love School of Business

The Love School of Business was established in 1985 as an outgrowth of an endowment gift to Elon College from the Martha and Spencer Love Foundation. The Business

School is a junior/senior level and graduate school which offers undergraduates majors in accounting and business administration (concentrations in management, marketing, and finance), and a graduate degree in business administration (MBA).

The Love School of Business builds upon the liberal arts tradition of Elon College in providing undergraduate and graduate students the educational opportunities that will prepare them for both business careers and civic leadership.

Specific requirements for Love School programs in Business Administration and Accounting can be found under the Course of Instruction.

Independent Study and Research

An integral part of the educational program at Elon College is the opportunity to do independent study and research. In independent study courses, with the assistance of faculty members, students develop goals and learning activities. Students sometimes engage in off-campus independent study and research.

Career Planning and Placement

The following Career Services Programs are available to help students plan their futures, explore careers, and become adept at finding employment:

Career Planning: The Director of Career Planning, through personal counseling and assessment, assists students with their choice of a college major and career. Resources include a one-credit class (COE 110) to assist students in selecting a major; the LifeSkills Transcript Program that encourages and documents leadership development; and graduate school

application materials.

Experiential Education (Internships or Co-ops.) Elon College strongly supports programs which allow students to relate their classroom learning to work experience. Active cooperative education and internship programs provide opportunities throughout the academic year and during summers for students to explore careers, to integrate theory with practice, and to examine future job possibilities. In each learning experience, the student's academic or career related work assignment is supervised and evaluated by Elon faculty. Internships are directly related to majors or minors, may be full- or part-time, and paid or unpaid. Most departments offer internship credits. Co-ops offer pay, may be full- or part-time, may be repeated, and count toward elective credit. The class, COE 310 "Securing A Job," is required of co-op students.

Eligibility Requirements: Junior or Senior standing (Sophomores with special permission); 2.5 minimum grade point average (GPA); completion of departmental prerequisites; approval of Faculty Sponsor/Experiential Education Director; COE 310 class (co-ops only).

Placement Services. Placement Services assist students who have identified their career direction and who are finalizing their career search. Services for upper-class and graduate students include classes in job search skills (COE 310 "Securing A Job"), resume referral to employers, on-campus interviews, individual counseling, job vacancy lists, a credentials file with options for inclusion of academic and LifeSkills transcripts, and workshops on resume writing, job interviewing, and other special

career topics. Additional resources and programs include occupational and employer information, career fairs, and an alumni career resource bank.

Professional Programs

Elon College offers professional programs in Accounting, Business Administration, Communications, Computer Science, Computer Information Systems, Education, Human Services, Journalism, Music, Public Administration, and Medical Technology. Graduates of these programs are prepared to enter beginning-level professional positions. Graduates who are qualified to do so may wish to continue their studies in graduate school.

Preprofessional Programs

Elon College offers programs which prepare students for professional studies in such fields as dentistry, engineering, law, medicine, and theology. In addition, Elon prepares students to enter any professional program, either at the graduate or undergraduate level, that is based on a liberal arts education.

Pre-engineering. Students who wish to pursue an engineering degree must transfer from Elon College to an engineering school. While there is the potential for a qualified student to transfer to any engineering school, Elon College has a pre-engineering program that has been approved by the Subcommittee on Engineering Transfer for transfer to the engineering programs at North Carolina A&T State University, North Carolina State University, and the University of North Carolina at Charlotte. Qualified students completing Elon's program are given preferential consideration for transfer to any of these engineering schools.

Prelaw. According to the Association of Law Schools, there are two objectives of undergraduate education for law students: first, the student should learn to reason logically; second, the student should learn to express thoughts clearly and concisely both orally and in writing. A number of majors at Elon provide backgrounds for admission to law school.

Premedical and Predental. Medical and dental schools desire students who have demonstrated academic excellence in science fields combined with the broad base supplied by the liberal arts. Students interested in medical or dental school are encouraged to major in Biology or Chemistry. Those interested in a career in veterinary medicine, optometry and other health professions generally complete the same courses as pre-medical and predental students.

Preministerial (Any Full-time Christian Vocation). The educational program at Elon College provides opportunities for students who wish to prepare for the various aspects of Christian ministry. Although no particular major is required, there are many courses and other educational/service experiences that permit students to explore their interest in and fitness for religious vocations. In general, for church-related vocations students should expect to major in Religious Studies or any of the Liberal Arts areas.

All Preprofessional Majors

Students entering any pre-professional program should plan carefully, using the catalog of the professional school they wish to enter as a specific guide to choosing courses at Elon College. The Academic Advising Center staff is available to assist students in this planning.

Special Academic Programs

Elon College offers various programs for those people with special needs and qualifications.

Honors Program

The Honors program assists academically superior students who want to attain greater breadth and depth in the General Education part of their studies. Most students are selected to enter the program as freshmen, but one can apply for admission as a continuing student by seeing the Honors Director. Students may also be referred by professors. Honors students are provided with special courses taught by innovative faculty. Class size is generally limited to 20. Since the program is college-wide in scope, most Honors courses will be taken in disciplines differing from one's major. Recent changes give increased emphasis to discovering one's values, to developing critical thinking skills, to enhancing communication abilities, to pursuing current issues, and to understanding the interrelatedness of the varied academic disciplines.

Besides the curriculum described below, other features of the program include: Early preregistration privileges, off-campus retreats, Honors housing arrangements, and opportunities to interact with guest lecturers, performers, and artists. Honors graduates often pursue further study or graduate training.

To receive Honors Program recognition at graduation, a student must complete a minimum of six Honors experiences as listed below, and achieve a 3.0 grade point average overall and in all Honors courses taken. Students who fail to maintain an overall GPA of 3.0 or better are

an overall GPA of 3.0 or better are subject to dismissal from the program and all benefits associated with it.

Honors Experiences Required for Graduation with Honors Program

Recognition: Category I: Students are required to take *two* Honors courses at the 100-200 level.

Category II: Students are required to take *three* Honors courses at the 300-400 level.

One of the following may be substituted for *one* of the requirements in Category II: (1) A student may take one non-Honors course, including an internship, for Honors credit with permission of the instructor teaching the course and the Honors Director. (2) A student may participate in a semester-long (minimum) study abroad program, either through Elon College or another institution. If an Intercultural Grant is used for this experience, the Honors Credit Guidelines must be followed.

Category III: Each student will be required to complete a Senior Honors Research project, through an Honors Research Seminar or a departmental seminar either of which must culminate in a presentation of the student's research.

Transitional Program

The Transitional Program assists students in making the transition to college by providing special advising and special courses in the basic concepts of mathematics and communication skills. The program offers individual assistance by tutors and self-paced programs through the LaRose Resources Center.

Writing Program

Elon College has both a campus

Writing Program and a Writing Center. The program and the center work concurrently to support and enhance student writing at all levels and in all areas of the College's academic program.

Elon 101

Elon 101 is a specially designed course/program that introduces first semester students to college life. The course is taught by the student's academic advisor and is generally limited in size to 15. The course meets weekly during the first semester and, if successfully completed, grants one semester hour of general college credit.

High School Credit Bank Program

This program makes it possible for the student to have earned college credit prior to college entrance through completion of two Elon summer sessions of two courses each and two courses at Elon during each semester of the high school senior year.

Military

ROTC. Offers a military science program leading to commission in the U.S. Army upon graduation.

This course offers built-in financial assistance and special scholarship programs.

Credit for Veterans. Offers military personnel on active duty opportunity to submit CLEP credit by contacting their Education Officers or USAFI in Madison, Wis., for testing.

Transfers work completed or other accredited post-secondary institutions.

Accepts service experience for physical education requirements.

Leadership Program

The Leadership Program provides students with opportunities to study

and practice leadership. Participants will enroll in leadership courses, will lead off-campus service projects through the Volunteer Program, will actively lead on-campus through campus organizations and mentoring experiences, and will have the opportunity to participate in studies abroad and internship programs. The program strives to foster leadership for students during the college years that can be extended to the future workplace and living community.

LifeSkills Transcripts Program

The LifeSkills Program provides a co-curricular transcript for enhancing job and graduate school opportunities. This transcript documents activities in clubs, community service, leadership, co-ops, internships, international study/travel, and other experiences during the College career.

North Carolina Teaching Fellows Program

Elon College is one of only two private colleges selected by the North Carolina Teaching Fellows Commission to offer a Teaching Fellows program, and one of only 13 institutions throughout the state. The Teaching Fellows experience takes place in the context of Elon's highly successful teacher education program. North Carolina high school students interested in the teaching profession apply to the North Carolina Teaching Fellows Commission and are awarded grants through a selective interview process. The Teaching Fellows experience at Elon is a four-year program requiring participation in the following:

2. Internships
3. Study/travel to major U.S. metropolitan areas
4. A semester of study in London
5. Special field trip, lecture series
6. Capstone seminar examining local, state and national issues and their effect on education
7. Development of LifeSkills Transcript

Study Abroad

Study abroad programs are scheduled to enhance the academic program and to give students an opportunity to learn first hand from other countries and cultures. The college offers a variety of such opportunities.

Students may elect to spend a semester, either fall or spring, in London. Choosing from a broad range of courses, most of which are taught by British faculty, both General Studies and major requirements are met. Through internships and field research projects, students experience many dimensions of British culture. Students have access to the University of London's library and student union facilities. Fall and spring breaks permit extensive European travel.

During the winter term the College offers a study/travel opportunity to England. This program allows students to spend approximately a month housed in London but with numerous excursions to historical and cultural sites in Great Britain. The College also offers other study/travel programs to various locations which vary from year to year. Most recently, students have participated in a work project in Mexico. Others have spent the winter term in Costa Rica studying language, political and cultural environment; and in Belize, enrolled

1. Specially designed leadership courses

country's unique cultural past and present. All programs offer a wide range of course credit.

Summer terms provide still other study abroad possibilities. The College offers language study in a number of countries through local universities. Through an arrangement with Southeast University in Nanjing, China, students may spend five weeks in Language and Cultural Studies there. Students may choose to explore the culture of India through one of Elon's summer programs. These programs are scheduled to allow the student maximum free time in the remainder of the summer or the opportunity to attend an additional session of summer school. Direct exchange agreements between schools in Japan permit semester or year-long study abroad.

Academic Support Services

Elon College seeks to meet the individual academic needs of the students who enroll. In order to accomplish this the College places emphasis on a variety of academic support services.

Academic Advising Center. Students are assigned faculty advisors before they enter Elon College. An important part of the Academic Advising Center's service is the providing of selected faculty advisors for Pre-majors, students who have not yet decided upon their major field of study. At some time during the freshman year or the sophomore year, students choose majors and are assigned faculty advisors within their major departments or programs. Special advising assistance is available for students in pre-professional programs such as prelaw, premedical and pre-engineering.

Closely associated with the Aca-

demic Advising Center is the Career Planning service. Through testing programs, an extensive careers library, and personal counseling, the student is encouraged to explore career opportunities. Efforts are made to correlate college academic course work with the student's career objective.

Special Needs Students. Elon College does not have a formal program for students with learning or other disabilities. However, the College does attempt to make reasonable classroom accommodations for students with special needs. Students who have such needs should contact Priscilla Haworth, Section 504 Coordinator, in Alamance 101.

LaRose Resources Center. Located in Mooney Building, the LaRose Resources Center is designed to meet the learning needs of a wide variety of students. Services provided include: Tutorial assistance for most academic areas, computer-assisted instruction, microcomputer stations, study-carrels for group study, videotaping equipment and viewing room, a television production studio, and an extensive variety of audiovisual equipment and materials.

Library. The McEwen Library contains a well-rounded collection of approximately 170,000 volumes, 50,000 government documents, and extensive audiovisual and microform holdings. The Library seats approximately 400.

Computer Facilities. Elon College Academic Computing has a VAX 8350 and two Novell networks. The four PC computer labs have over 100 microcomputer work stations connected to both the VAX, the library catalog, and the Novell network. There is also a Macintosh lab and an Apple lab. All facilities are available for all students to use at no additional charge.



Elon is committed to the education of the whole person. Opportunities for that education are provided to students in many ways.

Student life is more than classrooms, laboratories, study desks and libraries. Experiences in the residence halls, campus organizations, Greek organizations, Student Government, spontaneous social groups, and on athletic and intramural teams are critically important in the student's total development.

With the many opportunities the College makes available throughout the year, the student can develop important insights about genuine communication, self-government, freedom, trust, honor, and critical judgment. Programs designed by well-qualified faculty, staff and students provide—in the residence halls, on the playing fields, at the classroom—opportunities for the student to develop a meaningful concept, a sense of career, a philosophy of life, and sound ethical and moral principles.

Students are encouraged to participate in those co-curricular and extra-curricular activities that interest them or are complementary to their academic programs.

Student Personnel Service

Personal Counseling. Under the direction of the Coordinator of Counseling Services, counselors are available 24-hours a day and are responsible for providing help to Elon students. In each campus area there is an Area Director. In addition,

within each residence hall there is a staff of Resident Assistants. Supporting the residence hall staffs are personnel associated with the Office of Student Affairs.

Identifying and addressing problems at an early stage offers a greater likelihood that genuine help can be given. Therefore, students are urged to make their needs known to any person or person associated with the counseling staff. Support groups, composed of students concerned about the same issues, are available for those interested.

Health Service. The College maintains a Health Service, which is open during regular hours each class day. A health service fee covers all routine health and nursing services, and treatment by the college physicians. This fee does not cover cases in which a physician other than a college physician is called, emergency treatment at a local hospital or laboratory tests conducted off-campus.

All students must present evidence that they are covered by health insurance. An opportunity to purchase a health insurance policy is provided to all undergraduate and graduate students taking six or more credit hours.

Campus Living. Residence halls are modern and attractive. Each room is furnished with beds, bureaus, desks, and chairs. The student brings pillow, pillowcase, sheets, blankets, bedspreads, towels and such other articles as a wastebasket, rugs, and lamps. Residence halls open at 2:00 p.m. the day before registration each semester.

They are closed during Thanksgiving, Christmas, spring, and summer vacations. Rooms will be vacated and residence halls locked no later than noon on the day following the last night of exams. Provided on-campus housing space is available, all first-year students are required to room in the residence halls unless they are living with their parents, relatives, or spouse. The College assists students in finding off-campus housing, but it cannot serve as an intermediary in any way between the student and his/her landlord.

Students have access to laundry facilities on campus.

Meals are served in the College dining halls, which are opened for the evening meal before the first day of registration and closed after the noon meal on the last day of final examinations. For vacation periods, college dining halls are closed after the noon meal of the last day of classes and opened with the evening meal the day before classes are resumed.

Commuter Students. Programs designed to meet the particular needs of commuter students are offered through the Office of Campus Activities.

New Student Orientation

New Student Orientation is held immediately prior to the opening each term. All entering students are expected to participate in the program which is designed to assist in preparing for the beginning of the College experience. Orientation features the use of small group activities as well as academic advising, testing, registration, lectures, and social activities.

The Student Center

Social activities at the College are

largely planned and coordinated by the Student Union Board which is advised by the Director of Student Activities. An extensive program of social, recreational, club, and special interest activities is carried out during the year. Among these are: movies, trips and expeditions, special theme parties, concerts, comedians, special events, and other social activities.

Student Government

Representing the interests of the Elon student body is the Student Government Association (SGA). It enjoys the full support and cooperation of the faculty and staff of the College. Projects and proposals dealing with social, cultural, and academic life are promoted by the SGA President and the Student Senate.

In addition, the Residence Hall Association, designed to provide self-determination in each residence area, carries out important student government functions. Finally, students play a direct role in academic and social policy-making through voting membership on numerous College committees.

Judicial System

This Judicial System is a code of student living under which it is assumed that all students will conduct themselves as responsible members of the college community. It is intended to be both one of justice and of education for students.

Religious Life

Responsibility for College religious life rests with the Chaplain, who coordinates all on-campus religious programs. Voluntary religious services are held during the academic year. The Elon College Community Church,

located just off the campus, is affiliated with the United Church of Christ and is open to all students for worship. Many denominations are represented on campus in the form of student organizations. Most denominations have churches within a few miles of the campus. Groups meet regularly for Bible study, group discussions, service projects such as the CROP walk, and social activities.

Community Service

Students have the opportunity to participate in numerous service and learning activities. "Elon Volunteers!" is a student-run program supervised by the Chaplain's Office which serves as a clearinghouse and referral service for students who want to work with community agencies like the homeless shelter, the adult literacy campaign, Meals on Wheels, or with Elon College's campus chapter of Habitat for Humanity.

Campus Security

Campus Security is maintained by a professional security staff with student support which works under the direct supervision of the Director of Campus Security. The system works in very close cooperation with the Public Safety Office of the Town of Elon College, and the staff of the Office of Student Affairs. Student Security Guards are carefully selected and trained by the Director of Campus Security.

Emergency telephones are located in the rear gym "R" parking lot behind the campus powerhouse; in the Harper Center parking lot next to the sidewalk leading to the Greek houses; in the Jordan Center parking lot; at the Bakatsias Soccer Field (running track); and at East Building

near the tennis center. The phones in the parking areas are designed to be accessible from an automobile without leaving one's vehicle.

The Office of Campus Security provides an escort service 24 hours a day. Students on-campus call ext. 2407 for this service; those off-campus who need an escort upon returning to campus should dial 584-2407.

In accordance with the Crime Awareness and Campus Security Act of 1990, complete information regarding campus security policies and programs and campus crime statistics is available upon request from the Director of Public Information, 2600 Campus Box.

Cultural Life

Each year a variety of programs is offered for the cultural and intellectual enrichment of campus life.

The Lyceum Series brings outstanding artists and performers to the campus during the year.

The Liberal Arts Forum and Student Union Board, sponsored by the Student Government Association, schedule a number of lectures.

A number of distinguished scholars in various fields are invited to the campus each year to provide lectures and seminars for the enrichment of the academic program.

There are also recitals in the Fine Arts Building presented by members of the Fine Arts Department faculty and advanced students in music. Several band and orchestra concerts are scheduled. Each year before the beginning of the Christmas holidays, the Elon Choir presents Handel's *Messiah*.

Plays presented by Elon students and by visiting drama groups are also a feature of the College's cultural offerings.

Honor Societies

Alpha Chi. Membership in this national scholastic society is one of the highest honors an Elon student can attain for academic excellence. To be eligible for membership, a student must be a junior or senior, must be in good standing, and must have distinguished himself/herself through academic accomplishment.

Alpha Epsilon Rho. The objective of this honor society is to recognize scholastic achievement in the journalism and communications programs.

Alpha Psi Omega. The objective of this honor society is to recognize scholastic achievement in the Theatre Arts programs.

Beta Beta Beta. The objective of this national honor society is to recognize scholastic achievement in the biology program.

Epsilon Beta Epsilon. The objective of this honor organization is to recognize scholastic achievement by majors in economics and business courses.

Kappa Delta Pi. The objective of this honor society is to recognize scholastic achievement by majors in education.

Kappa Mu Epsilon. The objective of this honor organization is to recognize achievement by majors in mathematics.

Lambda Pi Eta. The objective of this honor organization is to recognize scholastic achievement in the field of communications.

Omicron Delta Epsilon. The objective of this honor organization is to recognize scholastic achievement in the field of economics.

Omicron Delta Kappa. This national society recognizes students, faculty, alumni, and outstanding

citizens for exemplary character, service and leadership in campus life, and good citizenship within the academic and larger community

Phi Alpha Theta. The objective of this national honor society is to recognize scholastic achievement in the history program.

Pi Gamma Mu. The N.C. Alpha chapter of Pi Gamma Mu, national social science honor society, was chartered in 1929. Students and faculty members who attain distinction in the social sciences at Elon are eligible for nomination into membership.

Sigma Delta Pi. The objective of this honor organization is to recognize achievement by majors in foreign languages.

Sigma Tau Delta. The objective of this honor organization is to recognize scholastic achievement in English.

Theta Alpha Kappa. The objective of this national honor society is to recognize students and faculty for scholastic achievement in the field of religious studies.

Student Organizations

Elon College offers students opportunities to become involved in numerous activities and organizations on the campus. The range of these activities is considerable. Students are encouraged to work with the Director of Student Activities to start new organizations.

Departmental. Accounting Society, Alpha Kappa Psi, Association of Computing Machinery, Chamber Singers, Concert Choir, Élan, Emanons, Health, Physical Education and Leisure Club, Mathematics Club, Orchestra, Pep Band, Prelaw Society, Psychology Club, Student Chapter of Music Educators National

Conference, Student N.C. Association of Educators, Symphonic Winds, Women in Communications.

Greek. There are 17 social fraternities and sororities at Elon. Fraternities include: Alpha Kappa Lambda, Alpha Phi Alpha, Kappa Alpha, Kappa Alpha Psi, Kappa Sigma, Lambda Chi Alpha, Omega Psi Phi, Pi Kappa Phi, Sigma Chi, Sigma Pi, Sigma Phi Epsilon. Sororities include: Alpha Kappa Alpha, Alpha Omicron Pi, Alpha Sigma Alpha, Phi Mu, Sigma Sigma Sigma, Zeta Tau Alpha.

Religious. Baptist Student Union, Discovery Fellowship, Fellowship of Christian Athletes, Gospel Choir, Intersarsity Christian Fellowship, Newman Society.

Service. BACCHUS (alcohol awareness), Delta Sigma Theta, Elon Volunteers!, Epsilon Sigma Alpha, and Habitat for Humanity Elon College Chapter.

Sports. Intramurals (IRS), Lacrosse Club, Outing Society, Pershing Rifles.

Others. Achilles, Aikido Club, Black Cultural Society, Class Organizations, College Bowl, College Republicans, Elon's Finest, Liberal Arts Forum, Lyceum Committee, Intellectual Competition Society, International Students Association, Residence Hall Association (RHA), Model UN, North Carolina Student Legislature, Students for Peace and Justice, Student Government Association, Student Union Board, Young Democrats.

Communications Media

The Board of Student Communications Media. The Board is composed of students and members of the faculty and administration. It advises, guides, and encourages all student media on campus.

Colonnades. This is the College

literary magazine. It is published by students interested in creative expression, both verse and prose.

The Pendulum. The College newspaper, *The Pendulum*, is published weekly by a student staff.

Phi Psi Cli. The College yearbook is edited by members of the student body. Its name, Phi Psi Cli, commemorates three former literary societies.

Radio Station. WSOE-FM, the campus radio station, operates each day and is staffed primarily by students. The station broadcasts from a facility in Harper Center.

Who's Who

A committee composed of members of the faculty, administration, and student body each year elects students to be listed in the national publication *Who's Who in American Colleges and Universities*. Selection is made on the basis of scholarship, participation and leadership in academic and extracurricular activities, citizenship and service to the College, and promise of future usefulness.

Athletics

Intramurals Recreational Services (IRS). The intramural recreational services program at Elon College is a viable collection of co-curricular activities designed to give interested students, faculty, and staff a chance to participate in a wide range of well-organized activities. Participation in these activities gives a person the opportunity to develop friendships not readily available in classroom situations and the chance to learn important lessons of sportsmanship, team spirit, and cooperation. The IRS program promotes the value of physical fitness and the lifelong impor-

tance of the wise use of leisure time.

The program is divided into the five following areas:

Informal Recreation. College recreational facilities are scheduled for informal recreation whenever possible.

Intramurals. Structured activities divided into skill level divisions are provided in a wide array of activities.

Outdoor Recreation. The IRS provides information on where and how to pursue outdoor opportunities. Individuals may choose to participate in various organized outdoor programs ranging from trips to seminars.

Fitness. Various opportunities are available to promote fitness. Classes, seminars, and theme weeks provide structural programs for physical development.

Sport Clubs. Elon College sport clubs provide an opportunity for students to participate in a select variety of activities and promote its development on campus. Examples of activities include lacrosse, cycling, and aikido.

Intercollegiate. A member of the South Atlantic Conference and the National Association of Intercollegiate Athletics, Elon has teams which compete with other colleges in football, basketball, baseball, tennis, golf, track, soccer, women's volleyball, women's basketball, women's softball, women's soccer, and women's tennis. Lacrosse is played as a club sport.

Traditional Events

Alumni Day. This day is one of the highlights of the year and the time for class reunions. The Alumni Association honors its outstanding alumnus of the year at the Alumni Banquet.

Founders Day. A convocation honoring the founders of Elon College is generally held in the spring.

Greek Weekend. A time for relaxation, competition, and fun is sponsored each spring by Greek letter organizations. Contests of various kinds—tug of war, potato sack races, chariot races, dance competition, and skits—are presented with prizes awarded to the winners of each category.

Homecoming. Homecoming takes place in the fall, bringing back to the campus many former students. Entertainment includes: Golf and tennis tournaments, a football game, and the Homecoming dance.

Parents' Weekend. In the fall, parents are invited to visit the campus and participate in several events planned especially for them.

Spring Fling. A weekend of activities which includes student competitions, concerts, and other programs.

Admissions Procedures

Elon College operates on a modified rolling admission plan. Students who send applications to Elon will be sent a postcard, giving notification that the application has been received. Applicants will hear from the Admissions Office in 4-6 weeks after the application is complete.

Admission is based on the high school record and class rank, SAT or ACT scores, recommendations, and in the case of transfer students, previous college work and recommendations.

Elon College admission packets are available from many high school guidance offices or directly from the Admissions Office of the College. Completed applications should be returned with a non-refundable \$25 application fee and transcripts of all high school credits and any post-secondary work attempted.

Degree candidates and special students must satisfy the Committee on Admissions as to intellectual promise, and emotional and social stability.

Applicants should demonstrate successful performance in a college preparatory curriculum. The following distribution of courses is recommended:

English	4 units
Math	3 or more units
(Algebra I and II or Algebra I and Geometry are required)	
Science	2 or more units
(including at least one lab science)	
Social Studies	2 or more units
(including U.S. History)	
Foreign Language	2 or more units

Students who have not completed at least two units in one foreign language must complete two semesters of one foreign language at Elon.

The Early Decision Plan at Elon College is available to well-qualified high school students who at the close of their junior year decide that their first choice college is Elon. A signed Early Decision agreement is required with the application. To be considered for Early Decision, a student can apply anytime after completion of the junior year, but application must be completed no later than December 1 of the senior year. It must include the application, the high school record, and scores on the Scholastic Aptitude Tests. Students accepted under the Early Decision Plan will have several advantages: (1) notification of the admissions decision within two weeks of the receipt of the completed file, beginning September 15; (2) the opportunity to attend the first Spring Orientation Weekend; (3) priority status for housing and registration; and (4) an early financial aid estimate.

Students accepted under Early Decision must submit a non-refundable \$200 deposit by January 15 and withdraw applications from all other colleges at that time.

Entrance Examinations

Applicants for admission to Elon College are required to submit their scores on the Scholastic Aptitude Test of the College Entrance Examination Board or the American College Test of The American College Testing Program. For either test,

scores should be sent directly to Elon College.

Application blanks, lists of testing centers and dates, and rules of applications, fees, reports, and the conduct of testing are available in most high school guidance centers in the United States.

Acceptance on Condition

Students who have been graduated from a secondary school but do not meet the requirement in subject matter areas and units may be accepted on condition. Any deficiency must be removed at Elon before the beginning of the sophomore year. A student entering with a deficiency may not be able to complete degree requirements in eight regular semesters.

Students whose deficiencies indicate a need for special work may be required to participate in the Transitional Program. Upon successful completion of this work and recommendation by the Transitional Program Coordinator, the student may proceed with regular course work.

Special Students

The College admits a limited number of special students. A special student is a student who is not working toward a degree at Elon College. These include:

1. Persons who wish only private music instruction in the Department of Fine Arts. Such applicants are admitted if instructors are able to schedule lessons for them.
2. High school graduates who wish to take classes of special interest.
3. Visiting students from other colleges during summer and winter terms.

4. College graduates who are interested in further study at Elon. Such applicants are admitted if they fulfill requirements for admission to the desired courses.
5. College graduates working toward teacher certification or recertification.
6. High school students who wish to take work on the Elon campus during their senior year. Credit for this work is generally transferable to other institutions. (Credit Bank Application required.)

Special students may register for no more than seven hours per semester without approval of the Dean of Academic Affairs.

International Students

Since several months may be required to receive and process applications from abroad, international students are urged to submit complete information as early as possible. In addition, all international student applicants must submit a minimum score of 500 on the Test of English as a Foreign Language (TOEFL) and a completed Certificate of Financial Responsibility prior to approval of their application for admission.

Advanced Placement and Credit

Applicants for admission may be placed in advanced classes of subjects in which they have demonstrated superior ability and understanding. Recommendations for advanced placement come from the Dean of Academic Affairs with the approval of the department chairman.

Advanced Placement Examination

Students who earn a score of 3 or better in the Advanced Placement Tests of the College Entrance Examination Board taken at the high school during spring of the senior year may receive credit in the following fields: art, biology, chemistry, computer science, English, French, German, history, mathematics, music, physics, Spanish. Scores should be sent to the Office of Admissions for approval by the Dean of Academic Affairs.

College-Level Examination Program (CLEP)

The College-Level Examination Program (CLEP) of the College Board enables students to earn college credit by examination. Students desiring to receive credit by examination are required to earn a scaled score of 500 on the General Examinations and/or a score of 50 on the Subject Area Examinations. Credit may be awarded in the following: Composition and literature, foreign language, history and social sciences, science and mathematics. Adult students interested in receiving credit through CLEP should contact the Admissions Office for information. Scores should be sent to the Admissions Office for approval by the Dean of Academic Affairs.

American College Testing Proficiency Examination Program (PEP)

Students who demonstrate proficiency in the PEP examination may earn college credit in the following: American Literature 203, 204; Freshman English 111; Educational Psychology 321; Physical Education 120. Scores should be sent to the

Office of Admissions for approval by the Dean of Academic Affairs.

Department Examination

Students may contact the Dean of Academic Affairs for details concerning the process of credit through examination by departments at Elon in areas not covered above. The cost for each examination is \$160.

Transfer Credit

Elon offers credit for courses taken through college parallel programs at accredited junior colleges or community colleges, and for courses taken at accredited four-year colleges and universities. Transcripts are evaluated and credit is awarded on a course by course basis after the student has been accepted for admission.

No more than 65 semester hours of credit will be allowed from two-year institutions. No credit is allowed for a course with a grade report below that of a "C." Credit will not be given for classes taken while a student is under academic suspension.

Requirements for an A.B. or B.S. Degree:

1. Requirements for a major must be completed.
2. General Studies requirements must be completed.
3. Additional elective hours to equal the 126 necessary for graduation must be completed.
4. Admissions requirements in mathematics and foreign language must be satisfied prior to graduation.
5. It is necessary that a student have 36 hours of credit at the Junior/Senior level to qualify for graduation.

Credit for Veterans

Veterans entering Elon may transfer certified credits from various areas.

1. Military personnel on active duty who wish to submit CLEP credits should see their Education Officers concerning CLEP tests or write to USAFI, Madison, Wis.
2. Work from other accredited post-secondary institutions may be accepted.
3. Students who have had one year of active duty in military service will receive credit for the Physical Education requirement by bringing a copy of their DD-214 Form to the Registrar's Office for verification.

Acceptance and Room Reservation Deposits

All Resident Students. To complete acceptance and to reserve a room, a deposit of \$200 is due within the time specified in the letter of acceptance. This deposit is credited to the student's account. The full amount is refundable until May 1, with written notification of withdrawal. For the spring semester, the full amount is refundable until December 15. A forfeited deposit can be refunded only upon a doctor's statement of applicant's inability to enroll.

If a resident student decides to commute, the Admissions Office must be notified before May 1, in order to get full credit for the room deposit.

All Commuter Students. To complete acceptance, a deposit of \$50 is due within the time specified in the letter of acceptance. It is not refundable after May 1 for the fall semester, and December 15 for the spring semester, except upon a doctor's statement of applicant's inability to enroll.

General Costs

The cost of attending Elon College is purposely held at a reasonable level. The chart on page 32 gives the particular charges for resident and commuter students. Please note that there are special tuition rates for part-time students.

Student Government Association and health service fees are collected from all students enrolled for nine or more semester hours during registration.

Room Charge. Students changing rooms without permission of the Dean of Students are charged for both rooms.

Board Charge. All resident students are required to board in the College dining halls. The cost of board is subject to change without notice. Double charge is made for special diets. Upper-class resident students may select a five-day meal plan. Students living off-campus but enrolled as full-time students may eat in the College dining hall upon payment of board fees for each semester as determined by the Business Office or through buying individual meals.

Book Expenses. The estimated cost of textbooks is \$450 for the academic year, of which \$225 is needed for purchases from the campus bookstore at the opening of fall semester.

Costs Covered by Tuition. Included in the tuition fees are costs of registration, use of the library, recreational facilities, admission to home athletic events, student publications, post office box for college housing, regular laboratory fees, and 12-18 semester hours of work, inclusive each semester.

The tuition, fees and estimated book expenses do not include fees for special courses and special laboratory work, which will depend upon the

course of study undertaken. Personal expenses will vary with the individual student. For the student who must earn money toward his/her college expenses, there are a number of opportunities for work to be found through the Financial Planning Office.

Expenses for the 1992-93 Academic Year Full-Time Enrollment/Day Students (12-18 hours)

	<u>Fall Semester</u>	<u>Winter Term*</u>	<u>Spring Semester</u>
Tuition	\$3,990	\$160/hour	\$3,990
Room (Double)	780	210	780
(Single)	1010	265	1010
Board** (Winter Term) billed with Fall Semester			
7 day plan	1,070	215	855
5 day plan (not available to freshmen)	950	190	760
Student Government	40		40
Health Service	25		25
Overload***	160/hour	160/hour	160/hour
Caution/Damage Deposit (refundable, applies to residence hall students only)	100		

* Residence hall students enrolled full-time fall semester, not attending winter term, will be eligible for a credit for winter term board. If a student is enrolled full-time for either fall or spring semester, there is no charge for the winter term. (Tuition, Room)

** After the beginning of a semester, a \$20 administrative fee will be charged to change meal plans.

*** More than 18 hours in fall or spring; more than four hours in winter.

Part-Time Enrollment/Day Students

Tuition	
1-8 hours	\$160/hour
9-11 hours ‡	\$240/hour

‡ Students enrolled for 9-11 hours are responsible for SGA and health fees.

Evening School

Undergraduate Programs

Tuition	
1-8 hours	\$160/hour
9-11 hours	\$240/hour

Evening students can enroll in no more than 3 semester hours in the day program

Graduate Programs

MBA Tuition	\$185/hour
M.Ed. Tuition	\$145/hour

Summer School 1993

Tuition per semester hour	\$160
College enrollment fee including SGA of \$1	10
Room (Double)	200
(Single)	295
Board	380
Auditing per course	115

Charges for other courses with special fees are listed in the catalog and/or the course schedule.

Special/Optional Fees (No Refund After Drop/Add Deadline)

Applied music lessons:	
Each one semester hour credit or audit for non-music majors	\$160
Each one semester hour credit or audit for music majors taking second or additional lessons	160
Charges for other courses with special fees are listed in the catalog and/or the course schedule	
Auditing per course	115

Graduation Fees

Bachelor's Degree	\$35
Master's Degree	40

Miscellaneous

Late registration/Re-enrollment during term	\$25
Late payment	25
Adding a course after Drop/Add Day	10
Transcripts	3
Caution deposit (dorm damage and key) refundable after student leaves campus housing)	100
Examination for course credit	160
Automobile registration	
Resident Students	30
Commuter Students	20
Replace I.D. card	10
Replace meal ticket	10
Returned check fine	20

A student's grade or graduate's diploma and transcripts will be withheld until his/her financial obligations to the College are settled. A student cannot register for further course work until financial obligations to the College are settled.

Refunds

*Academic Year—Fall and Spring Semester** Tuition, fees, and room charges are refunded on a pro rata basis during the first five weeks of the semester. Any part of a week will be considered as a full week for all pro rata charges.

If enrollment is dropped during:

- 1st week pro rata charge 5%
- 2nd week pro rata charge 20%
- 3rd week pro rata charge 40%
- 4th week pro rata charge 60%
- 5th week pro rata charge 80%
- 6th week—no refund

*Upon withdrawal, meal ticket refunds are prorated.

Notice of Withdrawal

In order to be eligible for refund upon withdrawal, a student must notify the Dean of Student Affairs in writing of his/her intentions. The student must also check out with the Student Financial Planning Office and the Cashier. Refunds are calculated as of the date of written notice to the Dean of Student Affairs.

Winter Term and Summer School*

Enrollment dropped during the second or third day of classes of Winter Term or Summer School will warrant 90% refund of tuition and room charges. Enrollment dropped during the fourth or fifth day of classes of Winter Term or Summer School will warrant 50% refund of tuition and room charges. There will be no refunds after the fifth day of classes.

*Upon withdrawal, meal ticket refunds are prorated.

Payment Plans

Payment plans are available to students. These plans may be multiple year plans and may or may not include life insurance. Literature is distributed to entering freshmen and is available in the Financial Planning Office.

Financial Aid

Elon College is committed to the policy that no student should be denied a college education because of limited funds. To the extent possible, eligible students are aided in meeting costs through careful planning and through various forms of financial assistance.

To be eligible to receive any type of college, state, or federal aid, students must be making satisfactory academic progress toward the completion of degree requirements. In addition, priority for all campus-administered funds, except Pell Grant—(see Pell Grant information below), is given to students enrolled for at least 12 semester hours of course work per semester. No offer of financial aid will be made until an applicant has been accepted for admission to Elon College.

Financial aid programs vary by source, eligibility criteria, and application procedures. A financial aid "package" for an individual student may consist of a combination of (1) need-based aid: (grants, loans, work), (2) non-need aid, and (3) payment options. Each type of aid available at Elon is described below.

Need-Based Aid. Awarded to eligible applicants on the basis of financial need. Except for GSL, these programs are available to undergraduates only.

Types of Need-Based Aid consist of: Grants (which do not have to be repaid), Loans, and funds from the College Work-Study Program.

1. Federal Grants

- a) *Pell Grant:* Applicants receive a Student Aid Report (SAR) which they submit to the Financial

Planning Office. Grant eligibility is determined on the basis of the SAR and students' course loads (must enroll for a minimum of six hours per semester.)

2. State Grants

a) *North Carolina Contractual Scholarship Fund*: State funds awarded by the College to North Carolina students who qualify on the basis of need.

b) *North Carolina Student Incentive Grant*: State funds awarded by the College Foundation, Inc. to North Carolina students who qualify on the basis of need.

3. *Institutional Grants*: Students may be considered for grant funds and Endowed Scholarships listed in the College Catalog by completing the application procedures for need-based aid (described below).

4. *Loans*: Long-term, low-interest loans available to eligible applicants. Repayment begins after student is no longer enrolled at least half-time.

a) *Perkins National Direct Student Loans (Perkins NDSL)*: Awarded by the College from federal funds to students demonstrating high need. Interest during repayment is 5%.

b) *Stafford Loan* (Funds from private lenders—banks, credit unions): Eligibility is based on financial need, as determined by completing the Financial Aid Form (see Application Procedures, below). It is generally necessary for

applicants to complete additional application materials for the lender. Graduate students may borrow through this program. Interest during repayment is 8% in the first four years, which then increases to 10%

5. *College Work-Study Program (CWSP)*: Federal funds awarded by the College to eligible applicants who demonstrate financial need in accordance with the federal guidelines. Students work on-campus and are paid according to hours actually worked. Earnings are limited to the amount awarded in the financial aid package. College funds pay 30% of students' wages.

Application Procedures for Need-Based Aid:

1. File a Financial Aid Form (FAF) with the College Scholarship Service (CSS) and designate Elon College to receive a copy.
2. Complete the Elon Aid Application.
3. Respond to any requests for additional documentation.

Note: Priority consideration for need-based financial aid will be given to eligible applicants whose financial aid file is complete by April 1 prior to the academic year for which aid is requested.

Non-Need Aid. Grants and Scholarships (money which does not have to be repaid) awarded to students based on special characteristics, merit, or achievement, Loans, and Employment which is offered on- and off-campus.

1. *North Carolina Legislative Tuition Grant*: Grant to all full-time undergraduate students who are legal residents of this state. In 1991-92, the grant was \$1,080 (\$540 per semester). A brief application must be completed at Registration.
2. *Private Scholarships*: Funds awarded by foundations, service clubs, churches, employers to students selected by the donor. Students generally seek these funds on their own.
3. *Military*: ROTC, National Guard, and Veteran's programs offer financial assistance for college expenses. Contact the unit nearest you.
4. *North Carolina Teaching Fellows*: N.C. high school seniors may apply through their school for the Teaching Fellows program. Those selected by the Teaching Fellows Commission may enroll at Elon at no cost: the program covers tuition, fees, room, and board. Special programs are offered throughout the four years, including a semester abroad. For more information, contact your high school guidance counselor.
5. *North Carolina Programs*: The state offers a number of scholarship and loan programs for students enrolled in specific educational programs (education, health) or who have interest or involvement in 4-H or the insurance industry. Additional information is available in the Financial Planning Office. North Carolina agencies also provide assistance through Aid to Families with Dependent Children (AFDC) and Vocational Rehabilitation for eligible applicants. Contact the office nearest you.
6. *Institutional Awards*
 - a) *Academic Scholarships*: Applicants for admission to the College who qualify for academic scholarships are nominated and invited to apply for scholarship competition.
 - b) *Leadership Fellows*: Applicants for admission to the College who qualify for this award are nominated and invited to apply.
 - c) *Performance Awards*: Funds awarded to students who demonstrate high achievement in areas such as music or athletics. In addition, there is limited scholarship money for students studying in particular majors (such as religion, history, business). To apply for performance awards, contact the appropriate academic department.
7. *Non-Need Loans*: Long-term loans available to assist in financing educational expenses, based upon creditworthiness rather than "need."
 - a) *Parent Loans for Undergraduate Students (PLUS)*: Parents may apply for funds through a private lender (bank, credit union) for each of their dependent undergraduates enrolled at least half-time in college. Interest rate is variable and payment of interest begins immediately. Repayment of the principal may be deferred while the student is enrolled. Applications are available from the lender.
 - b) *Supplemental Loans for Students (SLS)*: Independent students and graduate students may apply for funds through a private lender. Interest rate is variable. Repayment

of principal may be deferred until student ceases to be enrolled, but interest payments are not deferred. Applications are available from the lender. Applicants must also file the FAF.

c) *TERI Loans*: Loans through private lenders for \$2,000 to \$15,000. Interest rate is variable. Additional information available from the Financial Planning Office.

d) *Private Loans*: Funds through the student's/parents' own resources: financial institutions, employer, or family.

8. *Employment*: On- and off-campus.

a) *Institutional Work-Study Program (IWSP)*: Available to students who do not qualify for CWSP. Interested students may seek campus employment through departments which have funds to pay them through their own budget. Assistance is available at the Human Resources office.

b) *Off-Campus Employment*: Opportunities for part-time work in the near-by community and summer jobs are available through Career Services.

Payment Options

VISA/MasterCard: Elon College accepts these charge cards for payment of tuition and fees.

Ten-Month Payment Plan: Charges for the entire academic year, minus financial aid, are divided by 10 for monthly payments from June 1 through March 1.

Elon College Endowed Scholarships

Endowments provided through the generosity of private donors generate earnings which are awarded as the scholarships listed below. Students may be considered for these awards by completing the application procedures described for need-based aid.

Alamance-Caswell County Medical Auxiliary Scholarship. Awarded to students seeking a health career, preferably from Alamance-Caswell counties.

Edward M. Albright Memorial Scholarship. Established by his wife, the late Olivia White Albright.

Simeon Lee Allen Scholarship. Established by his sister, Mrs. Naomi Allen Garber, for deserving students, preferably from the Elon Homes for Children.

Nina and Dickie Andrews Scholarship. Established by R. Homer Andrews in memory of his wife, Nina, and their son, Dickie, for needy and worthy students, preferably from Alamance County.

The Rev. J. Frank Apple Memorial Scholarship. For worthy and deserving students, preferably preparing for full-time church-related vocations.

Asheville-Charlotte A. Hebard Scholarship. Established by First Congregational Church, Asheville, N.C., in memory of Mrs. Hebard, for worthy "orphaned and neglected children," preferably those from the Elon Homes for Children.

J.O. Atkinson Memorial Scholarship. Established by the members of the family of the Reverend J.O. Atkinson.

John W. Barney Memorial Scholarship. Established by colleagues, former students, and friends, for the senior with the highest cumulative average.

Barrett-Harward Scholarship. Established by William E. and Sue Barrett Harward in memory of Waverly S. Barrett and William D. Harward '96.

R.H. Barringer Distributing Co., Inc. Tennis Endowment. Selected by the college tennis coaches, alternating between men and women, with preference to students from Alamance, Caswell, Guilford, or Rockingham Counties, N.C.

Walter H. Bass III and Barbara Day Bass Scholarship. Awarded to students who have financial need and a record of high academic achievement.

Robert C. Baxter Scholarship. For worthy students.

Frederick Wharton Beazley Scholarship. Established by The Beazley Foundation in memory of Mr. Beazley, businessman and philanthropist, income from this Leadership Scholars fund will be given with first preference to Tidewater, Va., area students.

Robert Charles Beisinger Scholarship. For deserving students concerned with mission work, preferably among Spanish-speaking people.

Carol Grotnes Belk Endowment. Established by Irwin Belk in honor of his wife, income from this fund provides scholarships to worthy students.

Jennie Willis Atkinson Bradford Scholarship. For a worthy student in the Department of Fine Arts.

Ned Faucette Brannock Scholarship. For a senior in the Department of Chemistry who engages in an original research project as part of his/her study program.

Brannon-Sugg Scholarship. Established by Horace O. and Mary Sue Sugg Brannon in honor of their children, this scholarship is for deserving students, preferably from Alamance, Randolph or Polk Counties, N.C.

C.V. "Lefty" Briggs Athletic Scholarship. Established by his daughters for a student who possesses outstanding athletic ability and high moral character.

Dr. and Mrs. R.E. Brittle Scholarship. Created by Hunterdale United Church of Christ, Franklin, Va.

Trudie Kimrey Bueschel Christian Education Scholarship. Established by Mr. and Mrs. Thomas L. Bass Jr., in memory of her mother. Income from this fund is awarded to deserving students pursuing a full-time Christian vocation, with preference given to members of the Haw River United Methodist Church.

Burlington Business and Professional Women's Club Scholarship. For needy and worthy women students from Alamance County.

Burlington Handbags Scholarship. Established for a deserving Alamance County student.

William E. "Buster" and Mary Griffin Butler Scholarship. For worthy students from N.C. or Va., preferably children of school teachers and/or college business officers.

Byrd Scholarship. Established by C.R. Byrd Jr., and H.W. Byrd for employees of Byrd's Food Stores, children of employees or students pursuing a course of study leading to a career in full-time Christian work.

Luther Byrd Athletic Scholarship. Awarded annually alternating between a women's basketball player and a student working in the college's Sports Information Office.

Caddell Memorial Scholarship. In memory of Dr. Stephen Washington and Cora Bell Caddell by members of their family. For a student of good character who has demonstrated high academic achievement.

John L. Cameron Scholarship. Established by John Cameron '37, retired educator. Income is awarded annually to deserving students.

Pauline Nina Taylor Cammack Memorial Scholarship. Established by Ramsey E. Cammack in memory of his wife, income from this fund is awarded annually to deserving students.

Isabella Walton Cannon Scholarship. For deserving students of good character interested in governmental service and political science.

Dr. George L. Carrington Scholarship. Established in memory of her husband by Elizabeth Scott Carrington for deserving students.

Caswell-Alamance Scholarship. For a student from Alamance or Caswell County who has demonstrated high academic achievement and high moral character.

Philip Vance Cates Memorial Scholarship. Established in memory by his mother, Mrs. Vance (Eva) Cates, and sisters, Mrs. Margaret Cates Schenck and Mrs. Carolyn Cates Hurley. To be awarded to a rising senior who is from N.C., a member of Phi Alpha Theta or Pi Gamma Mu and is recommended by the history department.

Z. Vance and Philip Vance Cates Scholarship. Given by Gordon Pannill Hurley Jr. and James Franklin Hurley IV, in memory of their grandfather, Z. Vance Cates, and their uncle Philip Vance Cates, income from this endowment fund is used to assist academically-talented students.

Wallace L. Chandler Scholarship. For students from the Richmond, Va., metropolitan area, who have demonstrated high academic achievement and have substantial promise for continued success.

Frederica Olsson and Constant Woodman Chase Jr. Memorial Scholarship. Established in memory of Dr. Carole F. Chase's parents and awarded annually to one or more non-traditional students who are majoring in one of the liberal arts.

Cheek Scholarship. For chemistry students with high academic average.

Class of 1925 Scholarship. In honor of and in memory of the deceased members of the Class of 1925.

Class of 1930 Scholarship. Established by the members of the Class of 1930.

Class of 1938 Centennial Scholarship. Earnings from this fund, established by members of the Class of 1938, provide scholarships for deserving students.

George D. Colclough Scholarship. Created by gifts from the family and friends of George D. Colclough '24.

Carl and Betty Coley Scholarship. For worthy students.

Comer Golf Scholarship. Established by Mr. and Mrs. Marvin Comer and awarded to a worthy member of the Elon College Golf Team.

Alyse Smith Cooper Music Scholarship. Established by Mrs. Alyse Smith Cooper. Income used preferably for scholarships for music students with priority being given to those from Alamance County or N.C., or for support of the music program of the College.

Janie E. Council Scholarship. Established in honor of Janie E. Council for a deserving senior majoring in Business Administration, Business Education or Accounting.

Billy Crocker Jazz Scholarship. To a member of the Emanons selected by a vote of members and directors of the Emanons.

Alan Wheeler Crosby Memorial Scholarship. Established by the Crosby family and his friends for worthy non-traditional students.

Danieley Scholarship. In honor of Dr. J.E. Danieley, sixth president of the College, a scholarship is awarded to a worthy member of the freshman class.

J.E. Danieley Scholarship. Established by Mr. and Mrs. Chester W. Burgess III, in honor of the sixth president of the College, income from this fund provides scholarships for worthy students based on need and acceptable academic standing.

Verona Daniels Danieley Scholarship. Based on character, need, and demonstrated academic potential, with preference given to women students from Carteret and Alamance Counties, N.C.

T.B. Dawson Scholarship. Established by friends and relatives of the late T.B. Dawson, income from this fund is given to a deserving student.

Dwight L. Dillon Athletic Scholarship Award. Established in 1989 by the family of Dwight L. Dillon, an Elon alumnus from Bassett, Va., to provide scholarship assistance to a football or golf student athlete with a preference given to an athlete in the Martinsville-Henry County, Va., area.

Dewey Hobson Dofflemyer Scholarship. Established by his wife, Annie Onley Dofflemyer.

W. Clifton Elder Scholarship. For a well-rounded, deserving student, preferably from an Alamance County textile family.

Elon College Community Church Scholarship. For worthy students, preferably from the church.

Thad Eure Scholarship. Honoring former N.C. Secretary of State and Elon College Board Chairman Thad Eure, this fund provides scholarships to deserving students.

Clyde Lee Fields and Bertie S. Fields Memorial Scholarship. Established by friends, associates and family in memory of Dr. Clyde F. Fields '49, clergyman and community leader, and in honor of Mrs. Bertie S. Fields, to be awarded to deserving students.

First Christian Church, Portsmouth, Va., Memorial Scholarship. Established in 1965 by the Women's Fellowship and others from the First Christian Church.

First Union Bank Scholarship. Established by First Union for students enrolled in the Martha and Spencer Love School of Business.

Mary Ruth and Archibale F. Fleming Jr. Scholarship. For tuition and fees of one or more students.

A.J. Fletcher Music Scholarship. To assist incoming or returning music majors who show scholastic promise, progress and ability in music performance, and who need financial assistance.

H. Terry and Nonnie B. Floyd Scholarship. Established by their son, Dr. Walter Lawrence Floyd, income from this fund provides financial aid to students.

Lacy R. Fogleman Scholarship of St. Mark's Reformed Church. For worthy and deserving students preferably from St. Mark's Church or Alamance County, and preferably pursuing preministerial or Christian Education studies.

Rudy M. and Frances Turner Fonville Scholarship. Established by Frances Fonville '28, in memory of her husband, Rudy '27, for students majoring in science or math.

Franklin Congregational Christian Church Scholarship. To a deserving student with the following order of preference: (1) a member of the Franklin, Va. Church, (2) a member of an Eastern Va. Association Church, (3) a member of a Southern Conference Church.

Charles A. Frueauff Foundation Scholarship. For academically talented students.

John L. Frye Scholarship. For deserving students, with preference given to football participants.

Allen Erwin Gant Scholarship. Established by his sisters, Miss Jessamine Gant and Miss Corinna Gant. Preference given to students who are residents of Alamance County.

John L. Georgeo Scholarship. For both men and women who have high academic success or potential and leadership ability.

Frederick K. Gilliam Sr. Scholarship. Provided by friends and associates of Mr. Gilliam, income from this fund provides scholarships for deserving students in accounting.

Glen Raven Mills Educational Award. For worthy students, preferably Glen Raven Mills employees or members of employees' families.

Mills E. and Katherine B. Godwin Scholarship. For worthy students in need of assistance and from the Hampton Roads area of Va.

Judge Eugene A. Gordon Scholarship. For a deserving student from N.C. or Va.

John S. Graves Scholarship. For a student who best exemplifies Graves' philosophy of life: "Faith in God coupled with love and respect for one's fellow-man."

Griswold-Watts Scholarship. Established by Dr. and Mrs. Frederic T. Watts Jr. in honor of their parents, Mr. and Mrs. L.S. Griswold and Mr. and Mrs. F.T. Watts Sr. To aid academically talented students, divided between a member of Sigma Phi Epsilon Fraternity and a political science major.

Jewell Presnell and Carl C. Hall Memorial Scholarship. Established through Mr. Hall's estate, for deserving students.

Robert Kelley and Pearle Jones Hancock Scholarship. Established by their daughter, Mrs. Myrle Hancock Chamberlain, and their grandson and his wife, The Very Reverend and Mrs. David Chamberlain.

Dr. Howard S. Hardcastle Memorial Scholarship. For scholarship aid for needy and deserving students, preferably from the Eastern Va. Association area.

Harper Scholarship. In memory of Dr. W.A. Harper, fourth president of the College, a scholarship is awarded to a worthy member of the freshman class.

Ollie Clemmons Hedrick and Leah Margaret Tickel Hedrick Scholarship. Established in memory of their parents by the children of Ollie Clemmons Hedrick and Leah Margaret Tickel Hedrick for deserving students with preference given to descendants of Tickels or Hedricks in Piedmont N.C. or Va.

Edward Everett Holland Scholarship. Established by a bequest from the estate of Eunice Ensor Holland as a memorial to Edward Everett Holland.

Howard Braxton Holmes Memorial Fund. Established by Miss Ethel Marsh Holmes as a memorial to her brother, Howard Braxton Holmes.

Don S. and Margaret M. Holt Scholarship. Established through Mrs. Holt's estate, to provide scholarships for students in the Love School of Business.

Vitus Reid Holt Scholarship. For students from the Elon Homes for Children.

A.L. Hook Scholarship. For deserving students. Special consideration should be given to students who plan to take a course in physical science.

C. Chester Huey Athletic Scholarship. Established by his widow, Josie; his daughter, Elna, and his son, Paul, for a deserving student baseball athlete.

Edward, Rena Maude, and Allen Iseley Scholarship. For deserving students who are graduates of the Alamance County schools, participate in athletics, have at least a "B" average, are good all-around citizens, preference to students who are preparing to teach.

Margaret Plonk and S. Carlyle Isley Scholarship Fund. Given by Margaret Plonk and S. Carlyle Isley, income from this endowment will provide scholarship assistance to deserving students living in Alamance County, N.C.

Archie and Adelaide Israel Scholarship. For deserving students.

Laura and Nelson Jackson Scholarship. Created by Mr. and Mrs. Nelson Jackson Sr., for needy and worthy students who have exhibited a potential for positive contributions to the college community and society.

Mr. and Mrs. Burney Jennings Scholarship. Established by the Jennings to benefit a student attending Elon.

Dr. I.W. Johnson Scholarship. A gift from Mrs. Sallie Bertie Ellenor Johnson, wife of the Reverend I.W. Johnson.

Ada Smith Johnston Scholarship. Established under the will of the late Minnie Johnston Wilson, this scholarship is to be awarded to the most outstanding junior majoring in education.

Charles D. Johnston Scholarship. Established under the will of the late Minnie Johnston Wilson, this scholarship is to be given to the most outstanding ministerial student at the end of his/her junior year—money to be used for senior year expenses.

Clyde Johnston Golf Scholarship. Established by Clyde Johnston for a deserving student in the golf program.

Effie Wicker Johnston Music Scholarship. Established under the will of the late Minnie Johnston Wilson, to be given to an outstanding freshman music student for sophomore expenses.

Rebecca Johnston Music Scholarship. Established under the will of the late Minnie Johnston Wilson to be given to an outstanding sophomore music student for junior year expenses.

Virginia Somers Jones Scholarship. For deserving students.

John M. Jordan Scholarship. For a deserving student from Alamance County, preferably with a foster home background.

Juanita Wheeler Keeton Scholarship. Established in memory of Ms. Keeton, for non-athletes with financial need.

Esther Cole and John Robert Kernodle Scholarship. For above average, honor-type, needy students who study science or music.

Lecy Martin Kernodle Scholarship. This bequest provides aid for Alamance County students majoring in education.

Lucian and Lelia King Scholarship. For deserving students.

Sherri Sparrow King Scholarship.

Established by family and friends in memory of Sherri Sparrow King. First preference to be awarded to a mathematics major, second preference to a business or accounting major.

Ralph F. and Florance Walker

Kirkpatrick Scholarship. For a student from Alamance County with an outstanding academic record.

Hosea D. and Minnie Trollinger

Lambeth Scholarship. For three students who are recommended, express an interest in, and show promise in art, music, writing and/or journalism.

Lester Scholarship. Established by Fletcher C. Lester for ministerial students, students preparing for full-time Christian service, or worthy UCC students from N.C. or Va.

Edward W.W. Lewis Scholarship

Fund. Established by the family of Dr. Lewis, to be given to students who demonstrate academic excellence and financial need.

Max Lieberman Scholarship. For a male student from Alamance County chosen by the Alamance County Board of Education and Graham High School.

Luther A. and Georgia V. Lineberger

Memorial Scholarship. For qualified and deserving students.

Long Scholarship. In memory of Dr. W.S. Long, founder and first president of the College, a scholarship is awarded to a worthy member of the freshman class.

Claude V. and Alva Lee Currin

Long Scholarship. For deserving students, preferably from Alamance County.

Wilkes Estes Lowe Jr. Scholarship.

Established by Leffie Talbert Lowe '33, in memory of her husband, for students from Burlington City or Alamance County schools with preference given to a Western High School student.

Zebulon and Alma Lynch Scholar-

ship. Established by Dr. Betty Lynch Bowman and her husband, J. Fred Bowman, in honor of her parents, for needy and worthy students, preferably from Alamance County.

Lynnhaven Colony Congregational Church (UCC) Scholarship. For deserving students preferably from Lynnhaven Colony Church.

Sue Boddie Macon Memorial Fund.

Established by Miss Margaret P. Alston and Mrs. Pattie Alston Macon.

Winona Morris Madren Scholarship.

For deserving students with preference to students from Albemarle, Greene and Rockingham Counties, Va., or from the Shenandoah Association Area of the UCC. This fund was established in memory of her husband, the Reverend Silas E. Madren, and her parents.

Florence and L.G. Matkins Scholar-

ship. Established by Mrs. Florence Matkins and Mr. and Mrs. John H. Whitlatch Jr. in honor of Mrs. Matkins and in memory of Mr. Matkins for a deserving athlete preferably from Alamance County.

William L. and Beulah McNeill

Maness Scholarship. Established by the Rev. W.L. Maness in memory of his wife, for worthy and needy students pursuing careers in Christian service.

William Raymond Massey Scholarship. Established by David S. and William H. Massey in memory of their grandfather, income from this fund provides assistance to rising juniors majoring in Business Administration with preference given to Alamance County students.

"Doc" Mathis Athletic Scholarship. For deserving student athletes alternating between basketball, football and baseball.

J. Mark and Kate Strader McAdams Scholarship. Established for students with high academic averages and a major in chemistry. Preference will be given to education majors with chemistry or concentration in chemistry. Highest preference will be given to a McAdams descendant with any major.

John Z. and Mildred W. McBrayer Scholarship. For a deserving student from Cleveland County.

John A. and Iris McEwen McCrary Scholarship. Established by Iris and John McCrary for academically talented students who have financial need.

C. Almon "Mon" McIver Centennial Scholarship. Established by Dalton McMichael in honor of Mr. McIver '36, income from this fund is for students with demonstrated leadership ability and high academic standing.

Miles-Dumville Memorial Scholarship. Established through the bequest of William F. Miles, this fund aids worthy students in the field of education or religion. Named for Virginia Green Miles, W. Bennett Miles, and Ellen Miles Dumville.

Robert Rodgers Miskelly Memorial Scholarship Fund. Given by the family and friends, in memory of Robert Rodgers Miskelly, to a deserving student.

Moffitt Scholarship. In memory of Dr. E.L. Moffitt, third president of the College, a scholarship is awarded to a worthy member of the freshman class.

Jane Belk Moncure Scholarship. Established in honor of Jane Belk Moncure, distinguished educator and author, by her husband, James A. Moncure, for an academically talented student.

Mr. and Mrs. B.A. Moser Scholarship. For deserving students preferably pursuing full-time Christian work who are from Alamance County and the Davis Street United Methodist Church.

Niagara Church Scholarship. For needy and worthy students, preferably from Moore County.

Francis Asbury Palmer Scholarship. Established by Francis Asbury Palmer of N.Y.

Annie Ruth Webb Parker Scholarship. Established by family and friends in memory of Annie Ruth Webb Parker '65, and is to be awarded to a needy student from Alamance County.

Vivian Wrenn Pell Scholarship. Established by Sybrant H. Pell in honor of his wife, for worthy music students, with preference given to keyboard or orchestra study.

Wayne H. and Mable B. Perrine Memorial Scholarship. For worthy students who have special talent in the performing arts.

Donald W. and Shirley M. Perry Scholarship. For deserving students from Alamance County.

L.J. "Hap" Perry Athletic Scholarship. Established by his sons, preferably for a student from Reidsville who participates in a sport at Elon.

Paul C. and Margaret S. Plybon Scholarship. Established by Paul C. Plybon Sr. '48, and his wife, Margaret S. Plybon, for worthy students who have demonstrated high academic and leadership qualities.

Mr. and Mrs. Horace Powell Scholarship. Established by Horace C. Powell of Fuquay Varina, N.C., for worthy students preferably from Wake Chapel Church.

Rex and Ina Mae Powell Scholarship. Mr. and Mrs. Rex Powell established this fund for the education of children of ministers who attended Elon.

O.D. Poythress Scholarship. Established in honor of the Reverend Olive Daniel Poythress for worthy and needy students, with preference being given to students from the South Norfolk Christian Church, Chesapeake, Va.

The Rev. Lacy M. Presnell Sr. Memorial Scholarship. Established by family and friends to provide financial assistance for worthy and deserving students, preferably those from the general Randolph County area preparing for full-time, church-related vocations.

Presser Scholarship. Provided by friends of the Presser Foundation of Philadelphia, Pa., for deserving students who are preparing to become teachers of music.

Emmett H. and Katherine H. Rawles Scholarship. For academically talented students.

Japheth E. Jr., and Virginia B. Rawls Scholarship. For academically talented students.

Paul Reddish Scholarship. For rising junior and senior biology majors selected by the biology faculty. Criteria include scholarship, need, devotion to biological sciences, leadership and personal values.

Howard R. and Virginia E. Richardson Scholarship. Established by family and friends for a deserving student who is preparing for a career in teaching.

Richmond Alumni Chapter Scholarship. For freshmen students from the Richmond, Va., area.

George B. and Bessie Holmes Robbins Scholarship. For deserving students.

Arthur H. and Trudy B. Rogers Scholarship. Established by the Rogers to assist a deserving student, preferably from Alamance or Stanley Counties.

Hurley D. Rogers Memorial Scholarship. Established by Mrs. Hurley D. Rogers in memory of her husband, income from this fund provides assistance for qualified and deserving students.

Viola and Amos Thornton Rollings Scholarship. Established by a bequest from the estate of Viola V. Rollings for needy students.

Albert Oscar and Mary Susan Rudd Scholarship. Established by Mary Rudd Turner in memory of her parents, earnings provide scholarship assistance for deserving students.

William Lee and Ruth Crosby Rudd Scholarship and Loan. Established by W.L. Rudd, to aid needy and worthy Christian students.

St. Mark's Reformed Church Scholarship. For deserving students, with first preference to students from St. Mark's Reformed Church.

Sanders-Myers Memorial Scholarship. Given by Dr. and Mrs. Allen B. Sanders in memory of their parents, Ralph E. and Edith Bailey Myers and Grady M. and Lucie Allen Sanders, for a deserving student.

Tom Sawyer-Huck Finn Tennis Scholarship. For deserving men and women who are members of the Elon College Tennis teams.

Renold O. Schilke Trumpet Scholarship. Awarded to selected band students who are interested in playing the trumpet.

James C. Scott Golf Scholarship. To provide a golf scholarship.

Zondal Myers Sechrest Scholarship. For qualified and deserving students, with first preference to Thomasville, N.C., and Davidson County students.

John Duncan Shaw Scholarship. For a student from Jordan Matthews High School in Siler City, N.C., who has demonstrated high academic achievement.

Nancy Gordon Sheffield Scholarship. For a deserving student, preferably from Alamance or Guilford counties.

Dr. Charles E. Shelton Memorial Scholarship. Created by the First United Church of Christ of Portsmouth, Va., preferably for one or more students from the Tidewater, Va., area pursuing full-time Christian vocations.

Bertha Paschall Shipp Scholarship. Established by Bertha Shipp by bequest, for deserving students as determined by the College Scholarship Committee.

John L. Sills Jr. Scholarship. Funded by Riverview Narrow Fabrics, this fund is awarded each year to a rising junior accounting major and may be renewed the senior year.

Smith Scholarship. In memory of Dr. Leon Edgar Smith, fifth president of the College, this fund was established by an initial gift from John T. Kernodle of Richmond, Va. Additional contributions have been received from friends of the late President Smith. For worthy students.

Oscar F. Smith Scholarship. Established by bequest from Oscar Frommel Smith, trustee. For scholarship assistance to students preferably from Eastern Va.

Somers Scholarship. Established by the late Chaplain Lester I. Somers, CDR, USN, and his wife, Mrs. Doris Loraine Somers, for the most outstanding senior majoring in religion or preparing for a full-time Christian vocation.

Southern Bell Fellow Scholarship. Established by Southern Bell, to deserving students from the Southern Bell service area.

John and Helene Sparks Scholarship. To aid students in the Department of Business Administration.

Stadler's Country Hams, Inc. Scholarship. To provide scholarship aid to a deserving student.

Thomas R. "Bud" and Doris Ward Stadler Scholarship. Established in honor of their daughter, Mona Carol Stadler Covington, income provides scholarships for academic achievers from Alamance County, N.C.

Staley Scholarship. In memory of Dr. W.W. Staley, second president of the College, a scholarship is awarded to a worthy member of the freshman class.

Dr. W.W. Staley Scholarship Fund of the Suffolk Christian Church. Established by the Suffolk Christian Church for a ministerial student or a student in an associated field with preference given to members of the Suffolk Christian Church or members of churches in the Eastern Va. area.

Mary Frances Stamey Memorial Scholarship. Given by her mother, Willie Packard Stamey, for deserving students from Cleveland County, N.C.

Sigmund Sternberger Scholarships.

Provided for Guilford County students who are strong scholars and in need of financial assistance. Funds are provided by the Sigmund Sternberger Foundation of Greensboro, N.C.

Alda June Stevens Memorial Scholarship.

For worthy students, preferably those preparing for full-time Christian service.

Elwood E. Stone Sr. Scholarship.

Established by his wife, Lucile C. Stone, and their son, Elwood E. Stone Jr., for a promising student in early childhood education.

William H. and Marguerite R.

Stratford Scholarship. Created by a bequest from Mrs. Marguerite R. Stratford in memory of her husband.

Suffolk Christian Church Scholarship.

Awarded upon the recommendation of Suffolk Christian Church with preference given to members of that and other UCC churches in the Suffolk, Va., area.

Algernon Sydney Sullivan and Mary Mildred Sullivan Scholarships.

Awarded to the College's most outstanding students who also demonstrate need for financial assistance. The scholarships are provided by grants from the Algernon Sydney Sullivan Foundation of Morristown, N.J.

Taylor Scholarship.

Established by Mr. and Mrs. Rodney E. Taylor for deserving students.

William Brown Terrell Scholarship.

To honor William Brown Terrell, educator and civic religious leader. Awarded to a deserving athlete.

Times-News Publishing Company,

Inc. Scholarship. For present or former *Times-News* newspaper carriers.

Lillian Pearl Tuck Endowment.

Established in memory of Miss Lillian Pearl Tuck, a graduate of Elon College and a dedicated educator.

Arline Lindsay Tweed Scholarship.

Established by Mrs. Arline Lindsay Tweed to aid qualified students.

Union United Church of Christ Scholarship. For a deserving student or students from the Union United Church of Christ, Virgilina, Va.

Sid Varney Scholarship. Established by former players and friends in honor of their coach. To be awarded annually to a deserving football player.

C. James Velie Memorial Music Scholarship. Established by relatives and friends. For a deserving student majoring in music. Professor Velie was a member of the music faculty at Elon College and directed the choir of the Elon College Community Church.

Thyra Wright Vestal Scholarship.

Established by Mrs. Vestal for a deserving student preparing for a Christian vocation.

Robert Ronald Wagner Memorial Scholarship. Established by Robert R. Wagner II, in memory of his father. Income from this fund is awarded to ministerial students.

Wake Chapel Christian Church Scholarship. For needy and deserving students, preferably from Wake Chapel Christian Church (UCC).

Catherine N. Walker Scholarship.

Established in honor of Mrs. Walker by her son, Zac T. Walker III, income from this fund is awarded to deserving students who maintain a 2.5 grade point average or better.

D.C. "Peahead" Walker Scholarship.

Established by gifts from family, friends, and former students, for scholarships alternating between football, basketball, and baseball.

C. Max Ward Golf Scholarship.

Established by C. Max Ward for students who show academic promise, a definite need, and an interest in participating in the golf program.

Cynthia Nicole Ward Education

Endowment. Established by Mr. and Mrs. W. Hunt Ward, to be awarded to a junior or senior education major from N.C. or Va.

Clyde T. and Esther Ward Golf

Scholarship. Established by C. Max Ward '49 and Cynthia Fertig Ward, in honor of Mr. Ward's parents. For members of the golf team.

Rachel and Bethany Ward Scholarship. Established by George Michael Ward in honor of his two daughters, for deserving women athletes.

Mr. and Mrs. W. Hunt Ward Golf Scholarship. Established by Mr. and Mrs. Ward to aid a deserving golfer at Elon College.

William I. Ward Sr., and David

Samuel Ward Scholarship. Established by William I. Ward Jr., for graduates of Graham High School, or its successor high school, or a resident of Graham, N.C., who possesses good character, inquiring mind and has financial need.

Dudley Ray Watson Scholarship.

Provided by Mr. and Mrs. J.D. Watson for a rising senior majoring in business administration. Based on scholarship, character and potential for societal contribution.

Watterson-Troxler History Schol-

arship. Awarded by the history faculty to a student with high academic standing, this scholarship fund was provided by Carole W. and George W. Troxler in honor of their parents, Mr. and Mrs. Eugene P. Watterson and Mr. and Mrs. G. Shail Troxler.

Floyd E. West Scholarship. Established in Mr. West's memory by his wife and family, income from this fund is for children of West Brothers Transfer and Storage employees and descendants of Mr. West.

Colonel Henry E. White Scholarship. For deserving students.

Margaret Delilah Bobbitt White Scholarship. Established by her son, Colonel Henry E. White for an outstanding student, preferably from Vance County, N.C.

Nellie Glenn White Scholarship. For deserving students, with preference given to members of the Congregational United Church of Christ, Greensboro, N.C.

Minnie Johnston Wilson Scholarship. Established under the will of the late Minnie Johnston Wilson to be given to members of the junior class who are in good standing and in need of financial assistance.

C. Carl Woods Scholarship. Established in 1986 by C. Carl Woods, an Elon alumnus from Durham, N.C., to provide scholarship assistance to a deserving student athlete in the sports of football or basketball.

Youth Friends Scholarships. Awarded to outstanding students who need financial assistance. These awards are made possible by funds provided by the Youth Friends Association, Inc. of Murray Hill, N.J.

James R. and Nina B. Young Scholarship. For worthy academically talented students.

The John F. Youngblood Scholarship.

Established by Rachel Y. and D. Lewis Holt in honor of her parents, Mr. and Mrs. John F. Youngblood, for deserving students with preference given to non-traditional students majoring in history education, intermediate education or music education, who have demonstrated high academic achievement.

Loan Funds

Burlington Elks Scholarship Loan Fund. Lodge #1433. For students who are residents of Alamance County.

Maggie B. Dixon Loan Fund. To assist members of the junior and senior classes.

Verlie I. Smith Student Loan Fund. For qualified students from N.C.

T.M. Stanback Fund. Created by gifts from Mr. and Mrs. T.M. Stanback for the purpose of making loans to worthy students. The student must sign a promissory note endorsed by another responsible person. Reasonable interest is charged on the unpaid balance after the student's program of studies is terminated.



Undergraduate Degree Requirements

Degrees and Major Fields

Bachelor of Arts (A.B.)

Biology
Chemistry
Communications
(Broadcast and Corporate)
Computer Science
Economics
Education
Elementary (K-6)
Middle Grades (6-9)
Secondary Certification
English
French
General Music
History
Human Services

Journalism
Mathematics
Music
Music Theatre
Philosophy
Physics
Political Science
Psychology
Public Administration
Religion
Science Education
Social Science
Sociology
Spanish
Theatre Arts

Bachelor of Science (B.S.)

Accounting
Biology
Business Administration
(Management, Finance, and
Marketing)
Chemistry
Computer Information Systems

Health Education
Leisure/Sport Management
Mathematics
Medical Technology
Music Education
Physical Education
Sports Medicine

For Graduate programs see pages 59-64 and/or the Graduate Catalog.

Bachelor's Degree Requirements

Elon College offers an academic program consisting of a minimum of 126 semester hours of credit for the Bachelor's degree. The degree consists of a major field of concentration in the liberal arts or in a professional or preprofessional area, a general studies program, and elective courses. To earn a baccalaureate degree, the student completes the academic program below:

1. Satisfactory work in one major subject.
2. Completion of General Studies as follows:
 - a. Foundational Studies9
 - (1) English 111, 112 (Freshman English Composition)6
 - (2) Mathematics (above MTH 100)3
 - b. Liberal Studies31
 - (1) Expression6

Eloquent and creative expression in literature and fine arts. Six hours chosen from art, dance, English, fine arts, music, theatre, at least three hours of which must be English.
 - (2) Science (Analysis)7

Rational processes of testing hypotheses and arriving at precise answers using established and experimental data. One physical or biological laboratory science and three hours chosen from either mathematics or science.
 - (3) Reflection6

Ultimate questionings through rational inquiry and beyond to faith, contemplation and insight. Six hours chosen from religion and/or philosophy, at least three hours of which must be religion.
 - (4) Civilization6

Historical and cultural context beyond the present day. Six hours chosen from history and/or from one foreign language.
 - (5) Society6

Studies social institutions, culture, personality, and the environment as these order human relationships. Six hours chosen from two of the following: economics, geography, political science, psychology and sociology.
 - c. Advanced Studies12

In addition to the above requirements, students will complete 12 hours of junior/senior level courses outside the major field chosen from at least three of the five areas listed under Liberal Studies. It is strongly recommended that one of these courses be a General Studies Seminar which integrates two or more disciplines.
 - d. Physical Education 1602
3. Electives.
4. Satisfactory completion of a comprehensive evaluation in the major field of study.
5. A minimum of 36 semester hours of junior/senior level work.
6. One full academic year of study at Elon (32 semester hours or more), including the last term before graduation.
7. Twice as many quality points as credit hours attempted must be earned.
8. Participation in commencement exercises.

Every student is subject to General Studies basic competency assessments in his/her freshman and sophomore years as part of the ongoing evaluation of the General Studies requirements.

Students must demonstrate competence in English and mathematics or successfully complete English 100 and Mathematics 100 prior to beginning Foundational Studies. Foundational Studies should be completed by the end of the sophomore year.

Students who have not passed Algebra II should make up this deficiency by taking Mathematics 100 during the freshman year.

Students who have not had two years of one foreign language in high school must make up this deficiency by taking two semesters of one foreign language. Courses taken to remove this deficiency will not satisfy the general studies requirements.

A maximum of 15 semester hours of internship/cooperative education credit may be applied to the 126 semester hours required for the A.B. and B.S. degrees.

Students must apply for graduation by the dates published by the Registrar.

A student has the privilege of graduating under the provisions of the catalog of the year of first enrollment, provided the course of study is completed within five years. After the interval of five years, a student's credits will be subject to review by the Dean of Academic Affairs.

Students who qualify for more than one major must select the primary major for which they will receive a Bachelor's degree. No student will be awarded two degrees at commencement.

It is the student's responsibility to be familiar with the preceding requirements for graduation.

The Major

A minimum grade point average of 2.0 in the requirements for the major is required for graduation. The student may elect to complete more than one major. No later than the beginning of the junior year each candidate for a Bachelor's degree must select a major field. Requirements for each major are listed with the courses of instruction.

The Minor

A candidate for the Bachelor's degree may elect a field (or fields) of minor concentration, consisting of at least 18 semester hours with a minimum grade point average of 2.0.

Registration and Courses

Classification

Classifications are made at the beginning of the college year in September.

Freshman, 1-26 semester hours completed

Sophomore, 27-59 semester hours completed

Junior, 60-92 semester hours completed

Senior, 93 and above semester hours completed

Course Load

Fifteen hours of college work per semester is considered the normal student load. Students who are on academic probation are limited to a maximum load of 13 semester hours in fall and spring semester.

During the one-month winter term, three hours of college work is the normal load for all students.

Maximum load for any one semester is as follows:

Fall and Spring Semesters, 18 semester hours

Winter Term, 4 semester hours

Summer Term, 7 semester hours

Any exception to this policy is the responsibility of the Academic Dean's Office.

Course Registration

Students are expected to register for themselves on the designated days in August, January and February. Registration information is made available to all students. Registration includes academic advising, selection

of courses and payment of fees. Before preregistration or registration, each student should consult with his/her academic advisor on course selection, General Studies requirements, major requirements and other degree requirements. However, it is the responsibility of the student, not the academic advisor, to ensure that all College graduation requirements are met.

Registration is for an entire course, and a student who begins a course must continue it except in unusual circumstances. Unless the student and his/her advisor consider it essential, a student should not change his/her schedule after registration.

Auditing Courses

Persons who wish to attend certain courses regularly without doing the assigned preparation or receiving credit may do so with the approval of the Registrar. The cost is \$115 for each course.

Changes in Class and Schedule

The College reserves the right to cancel or discontinue any course because of small enrollment or for other reasons deemed necessary. In order to assure quality instruction, the College reserves the right to close registration when the maximum enrollment has been reached. The College reserves the right to make changes in schedule and/or faculty when necessary.

Credit by Examination (Course Challenge)

A student may receive credit for a course not taken by demonstrating

mastery of its subject matter. To challenge a course, a student must have the approval of the Dean of Academic Affairs, the chair of the department in which the course is offered, and the professor who will test mastery of the subject matter. Whenever possible, the student should consult the professor far enough in advance of the term in which the examination will be taken to determine course requirements and standards and to begin to make independent preparations. However, the student should expect no assistance from the professor other than being informed of the material to be covered on the examination. Under no circumstances shall a student be allowed to attend classes of the course being challenged. The cost for each examination is \$160.

Dropping Courses

A student may officially drop any class with a "W" (withdraw without penalty) through 50% of the term—this includes the week of examinations. The withdrawal period applies to the regular semesters, winter term, and the summer sessions. After that date, no class may be dropped. Any exception to this policy is the responsibility of the Academic Dean's office.

A student who withdraws from the College for any reason (except for a medical reason), receives grades of "W" if the withdrawal is before the designated 50% time period. After this time, a student will receive a "W" or "F" depending on his/her grades at the time of withdrawal. A student who withdraws from the College with a medical withdrawal will receive a "WD."

Independent Study

Students may engage in independent study of catalog courses, special

topics, and research projects. Independent Study is limited to honors students, juniors and seniors. A course may not be repeated by Independent Study. Details concerning the procedure for developing an independent study proposal may be obtained in the Registrar's Office.

Overload

A student whose cumulative grade point average is less than 3.0 may not register for overload hours in any term. See previous page on course load.

Pass/Fail Elective Courses

A student may take two one-semester courses outside the major, minor and general studies requirements on a pass/fail basis. The pass/fail option is provided to encourage students to enrich their educational experience in subjects outside their major/minor fields and general studies requirements in which they may feel unable to maintain a desirable grade point average. The decision to take a course pass/fail must be made at registration prior to the first class period.

Repeat Courses

Courses repeated within four semesters of attendance (excluding winter and summer sessions) following the first enrollment in the course count only once in computing the cumulative grade point average. In such cases the most recent grade is counted rather than any previous grade(s) received. However, a course repeated more than once will count in the cumulative grade point average each time it is repeated. (Students receiving Veterans' benefits should consult the V.A. representative.)

Attendance

Since students must attend classes regularly in order to derive maximum benefit from their courses, the College strictly and fairly enforces policies governing classes, and students are responsible for knowing attendance regulations. Each department establishes its own attendance policy. If unwarranted absences occur, the Dean of Academic Affairs may suspend the student from the class or from the College.

Absence From Tests and Examinations

Students who miss scheduled tests and examinations without excusable reasons may not make up such assignments. Authorization to make up tests missed for excusable reasons is obtained from the professor of the class. Authorization to make up final examinations missed for excusable reasons is obtained from the Office of the Dean of Academic Affairs.

Grades and Reports

Grading System and Quality Points. Graduation is dependent upon quality as well as upon quantity of work done.

A student earns quality points as well as semester hours if his level of performance does not fall below that of a "D."

Letter grades are used. They are interpreted in the table below, with the quality points for each hour of credit shown at right.

<u>Grade</u>	<u>Quality Points</u>
A Superior	4
B Above average	3
C Average	2
D Below average	1
F Failure	0

I Incomplete	0
P Passing (not counted in cumulative average)	0
S Satisfactory (not counted in cumulative average)	0
U Unsatisfactory (counted in cumulative average)	0
WD Medical Withdrawal	0
W Withdrawal	0
NR No Report	0

Grades of "A," "B," "C," "D," and "F" are permanent grades and may not be changed except in case of error. After an instructor has certified a grade to the Registrar, he may change it before the end of the next regular grading period. The change must be made in writing and have the written approval of the department chairman.

An "I" grade signifies incomplete work because of illness, emergency, extreme hardship, or self-paced courses. It is not given for a student missing the final examination unless excused by the Dean of Academic Affairs upon communication from the student. The student receiving a grade of "I" completes all work no later than nine class days after mid-semester grades are due in the following semester. A final grade is submitted to the Registrar by the instructor the following Monday. After this date the "I" grade automatically changes to "F" unless an extension is granted by the Dean of Academic Affairs.

Grade Point Average (GPA)

The grade point average is computed by dividing the total quality points on work attempted at Elon College by the number of hours attempted except for courses with grades of "P," "S," "WD," or "W."

Grade Reports

Students are graded at mid-semester as well as at the end of each semester. Mid-semester grades serve as progress reports and are not entered on students' permanent records.

Dean's List

The purpose of the Dean's List is to recognize and encourage excellence in academic work. A student who has no grade below a "B" and a grade point average of at least 3.4 in a minimum of 12 semester hours in any semester is placed on the Dean's List for the following semester. Classes passed on a Pass/Fail basis or classes with grades of "S," "WD," or "W" are not included in Dean's List eligibility.

Graduation With Honors

A student who has completed at least 66 credit hours at Elon College may be graduated with honors. Candidates for graduation with an average of 3.9 or above are graduated *summa cum laude*; those with 3.7 or above, *magna cum laude*; and those with 3.4 or above, *cum laude*. In computing eligibility for honors, only work attempted at Elon College will be used.

Elon College provides a comprehensive Honors Program for all students of all majors. Emphasis is placed on honors courses, special academic advising, preparation for graduate school and special activities. Students who participate in the College Honors Program complete a minimum of six Honors experiences and receive the recommendation of the Honors Advisory Committee, will receive "Honors Program" recognition at graduation.

Access to Student Educational Records

Elon College complies with the Family Educational Rights and Privacy Act of 1974. This Act is designed to protect the privacy of educational records, to establish the right of students to inspect and review their educational records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with the Family Educational Rights and Privacy Act Office (FERPA) concerning alleged failures by the institution to comply with the Act.

Questions concerning the Family Educational Rights and Privacy Act may be referred to the Office of the Registrar.

Transcripts of Student Records

Requests for copies of a student's record should be made to the Office of the Registrar. All transcripts will reflect the student's complete academic record. No transcripts will be issued without the written authorization of the student. No transcript will be issued for a student who has a financial obligation to the College.

Work at Other Institutions

Students who plan to take courses at other institutions during summer sessions or by correspondence must have the prior written permission of the Registrar. After completion of such courses, the student presents an official transcript of his record to the Registrar. The maximum credit permitted for correspondence instruction is 12 semester hours.

Academic Standards and Withdrawal

Academic Standing. Academic standing is determined by the earned grade point average for any one semester of attendance and for cumulative work. A student whose cumulative grade point average falls below 2.0 is reviewed by the Academic Standing Committee and placed on Academic Warning, Academic Probation or Academic Suspension.

Warning. Students are notified that their grade point average is below 2.0 and that they are expected to show significant improvement in their next semester or term.

Probation. Students are notified that their grade point average is below 2.0, that they are limited to a maximum load of 13 semester hours, and that unless there is significant academic progress, suspension will result.

Suspension. Students are separated from Elon College and one academic semester must elapse before they are eligible for readmission.

In order to continue at the College a student must earn a minimum grade point average each semester of 1.0 and at the end of spring semester have:

Freshman, 1-26 semester hours completed, 1.6 grade point average

Sophomore, 27-59 semester hours completed, 1.6 grade point average

Junior, 60-92 semester hours completed, 1.8 grade point average

Senior, 93 semester hours completed, 2.0 grade point average

Any student failing to meet these guidelines will be academically ineligible for the next semester and suspended from the College. During the suspension period (to include a Fall or Spring Semester) the student may ap-

ply for readmission and, if readmitted, will be placed on academic probation. A student who is suspended a second time for academic reasons is normally not readmitted to the College.

Dismissal

The College reserves the right to suspend or dismiss any student(s) when it believes that such action is in the best interest of the institution and/or the student(s). This action will take place only after careful consideration with the student or students in question and all other parties with information pertinent to the matter at hand.

Withdrawal

If for any reason a student concludes that he/she must leave the College on a temporary or long-term basis, he/she must confer with the Office of the Dean of Student Affairs and the Dean of Academic Affairs to formalize plans. Faculty will be requested to report student progress in class at the time of withdrawal by indicating either a "W" or "F" grade. A student withdrawing with medical reasons will receive grades of "WD." The official record of the student cannot be cleared until the withdrawal is complete.

Degrees and Major Fields

Master of Business Administration (MBA)

Master of Education (M.Ed. in Elementary Grades and Middle Grades)

*Master of Business Administration (MBA)*_____

Elon College offers an opportunity for individuals to earn a Master of Business Administration (MBA) degree while continuing their careers. All courses are taught in the evenings (fall, spring and summer). During fall and spring semesters, students may take from one to four courses.

Admission Policy

The MBA admissions policy is designed to select students who have demonstrated both academic ability and managerial promise. Each application is considered in the light of all completed academic work, the Graduate Management Admission Test score, evidence of leadership and motivation, work history, level of responsibility, and letters of recommendation.

Undergraduates are not allowed to register for graduate courses in the MBA program.

Basic Requirements

1. Earned baccalaureate degree from an accredited college or university.
2. Strong undergraduate record.
3. Test score from GMAT taken within the last five years. Grade Point Average (GPA) and the Graduate Management Admissions Test (GMAT) score are used in the admissions process by combining them through the following formula: $(\text{GPA} \times 200) + \text{GMAT}$. To be considered for admission, the applicant must have a formula score of at least 950, a GPA of at least 2.0 (on a 4.0 scale), and a GMAT of at least 400.
4. Completed application, including three letters of reference.

MBA Degree Requirements

1. Completion of prerequisite courses specified under Foundation Studies.
2. Overall minimum grade point average of 3.0 in graduate studies.
3. Completion of 36 graduate hours (12 courses) within six calendar years.
4. Completion of the last six semester hours at Elon College.
5. Application for graduation by the dates published by the Registrar.

6. Participation in Commencement exercises, except for those completing requirements during summer school.

Program of Study

Foundation Studies in accounting, economics, statistics, or computer science may be necessary for some applicants. In such cases, the Director of the MBA program will specify one or more undergraduate courses to become part of the student's Program of Study. These judgments are based upon an evaluation of transcripts and career experience; in no case, however, will more than four foundation courses be specified.

The **Core Curriculum** consists of the following seven 500 level courses and is required of all MBA students.

ECO 511	Advanced Statistical Analysis	3 semester hours
BA 512	Quantitative Decision Methods	3 semester hours
ECO 513	Managerial Economics	3 semester hours
ACC 514	Managerial Accounting	3 semester hours
BA 515	Financial Management	3 semester hours
BA 516	Marketing Management	3 semester hours
BA 523	Business Communications	3 semester hours

Electives consist of four 500 level courses that include:

BA 521	Organizational Behavior	3 semester hours
BA 522	Organizational Development and Theory	3 semester hours
BA 524	Operations Management	3 semester hours
BA 525	Management Information Systems	3 semester hours
BA 526	Business and Society	3 semester hours
BA 527	Legal Environment of Business	3 semester hours
BA 528	International Business	3 semester hours
BA 571	Special Topics	3 semester hours
BA 573	Advertising Strategy	3 semester hours
BA 575	Personnel Administration	3 semester hours
BA 578	Productivity Improvement	3 semester hours
BA 579	Marketing Research Methods	3 semester hours

A **Capstone** course in Business Policy, BA 565, is required to be taken after completing at least 24 hours of graduate study.

Program Guidelines

The following three guidelines should be used in planning a Program of Study.

1. Any needed/required Foundation Studies courses and ECO 511, BA 512, ECO 513, ACC 514, BA 515, BA 516, and BA 523 should be scheduled early in the program.
2. The latter stages of the Program of Study should be heavily weighted with electives.

3. The Business Policy course (BA 565) should culminate the program.

Course Load

Students may enroll in one to four courses in fall and spring semesters. Students who are employed full-time should not register for more than two courses at a time. At least two courses will be scheduled during each of the two summer sessions. There will be no MBA courses scheduled during the College's three-week winter term. Students normally begin the program in September, but entry during spring semester or summer school is possible. While it is possible to complete the requirements in one and one-half years, most students will take two or three years.

Course Schedules. During the fall and spring semesters, 500 level courses will be scheduled during evening periods as follows:

Period One	6:00-7:20 p.m.	Monday and Thursday
Period Two	7:30-8:50 p.m.	Monday and Thursday
Period Three	6:00-8:50 p.m.	Tuesday
Period Four	6:00-8:50 p.m.	Wednesday

Courses in the core curriculum and certain electives will meet twice a week in periods one or two. Other electives and the capstone course will meet once a week in periods three or four.

For an application, an MBA catalog, or more information about the MBA program, please contact the Elon College Office of Graduate Admissions.

Master of Education (M.Ed.) _____

Elon College offers an opportunity for individuals to earn a Master of Education (M.Ed.) degree while continuing their careers. All courses are taught in the evenings during fall and spring semesters and in the daytime during summer school.

Admissions Policy

The M.Ed. admissions policy is designed to select students who have demonstrated both academic competence and teaching ability. Each application is considered in the light of completed academic work, scores on either the Graduate Record Examination or the Miller Analogies Test, evidence of leadership and motivation, possession of a recognized teaching credential and letters of recommendation.

Undergraduates are not allowed to register for graduate courses in the M.Ed. program.

Basic Requirements

1. A Bachelor's degree from a college or university accredited by the Southern Association of Colleges and Schools or a recognized regional accrediting association.

2. A 2.5 GPA overall for undergraduate work, or 3.0 GPA for the last 60 semester hours or 3.0 GPA in the major courses.
3. Official transcripts of all undergraduate and any graduate studies undertaken.
4. A recognized teaching certificate or commitment to achieving certification. (Candidates must have met undergraduate requirements for North Carolina Initial Certification or higher before being recommended for graduate certification.)
5. A minimum Miller Analogies Test score of 30 or a preferred verbal and quantitative score of 800 on the Graduate Record Examination, taken within five years prior to application for admission.
6. Three written references.
7. A written statement of educational and professional goals.

M.Ed. Degree Requirements

1. Completion of courses specified under program of study.
2. Overall grade point average of 3.0 or higher.
3. Completion of 30 graduate hours (10 courses) within six calendar years.
4. Satisfactory performance on a written comprehensive examination.
5. Final six semester hours to be taken at Elon College.
6. Participation in Commencement exercises, except for those completing requirements during summer school

Programs of Study for Elementary Grades and Middle Grades

All students are required to take the courses in the core curriculum.

In addition to the core curriculum, students in the area of elementary education complete Education 521, 530, and select three courses from the following: Education 522, 540, 550, 571, 591, Math 521, 523, Science 560, 561, and 562.

In addition to the core curriculum, students in the middle grades program are required to complete Education 524, 525, and three courses from the following subject areas in which the student has a concentration(s) for the Middle Grades Certification: Mathematics 521, 522, 523, 571; Science 560, 561, 562 571; Social Studies 531, 541, 546, 571, and Education 571; or Communication Skills—Education 530, 540, 551. Education 550 is an additional elective.

Core Curriculum—Elementary and Middle Grades

EDU 511	Advanced Foundational Studies: Philosophical, Sociological and Historical Perspectives	3 semester hours
EDU 515	Educational Testing and Measurement	3 semester hours
EDU 516	Educational Research	3 semester hours
PSY 515	Adv. Psychological Theory in the Classroom	3 semester hours

Capstone Course

EDU 581	Clinical Supervision: Theory and Practice	3 semester hours
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Additional Requirements Elementary Education (K-6)

EDU 521	Survey of Elementary Curriculum: Development and Content	3 semester hours
EDU 530	Diagnosis and Remediation in Language Arts	3 semester hours

Electives: Select three courses

EDU 522	Communication Skills in the Elementary School	3 semester hours
EDU 540	Literature for Children and Youth: Analysis and Application	3 semester hours
EDU 550	Meeting Special Learning Needs of Children	3 semester hours
EDU 571	Trends in Teaching Social Studies (K-9)	3 semester hours
EDU 591	Independent Study	3 semester hours
MTH 521	Math Concepts for the Elementary & Middle Grades School Teacher	3 semester hours
MTH 523	Computers in the Elementary and Middle Grades Classroom	3 semester hours
SCI 560	Advanced Physical Science for Elementary and Middle Grades Teachers	3 semester hours
SCI 561	Advanced Earth-Science for Elementary and Middle Grades Teachers	3 semester hours
SCI 562	Advanced Biological Science for Elementary and Middle Grades Teachers	3 semester hours

Additional Requirements Middle Grades Education (6-9)

EDU 524	Preadolescent Development: Implications for Education	3 semester hours
EDU 525	Effective Middle Grades Teaching	3 semester hours

Select three courses from the subject areas listed below in which the student has a concentration(s) for Middle Grades certification:

MTH 521	Mathematical Concepts for the Elementary and Middle Grades School Teacher	3 semester hours
MTH 522	Geometry for the Middle Grades School Teacher	3 semester hours
MTH 523	Computers in the Elementary and Middle Grades Classroom	3 semester hours
MTH 571	Seminar: Special Topics	3 semester hours
SCI 560	Advanced Physical Science for Elementary and Middle Grades Teacher	3 semester hours

SCI 561	Advanced Earth-Space Science for Elementary and Middle Grades Teachers	3 semester hours
SCI 562	Advanced Biological Science for Elementary and Middle Grades Teachers	3 semester hours
SCI 571	Seminar: Special Topics	3 semester hours
SST 531	Advanced Studies in American Government	3 semester hours
SST 541	Special Topics in Economics	3 semester hours
SST 546	North Carolina in the Nation	3 semester hours
SST 571	Seminar: Special Topics	3 semester hours
EDU 530	Diagnosis and Remediation in Language Arts	3 semester hours
EDU 540	Literature for Children and Youth; Analysis and Application	3 semester hours
EDU 551	Enhancing Oral and Written Communication	3 semester hours
EDU 571	Trends in Teaching Social Studies (K-9)	3 semester hours
EDU 591	Independent Study	3 semester hours

Course Load

Students may enroll in a maximum of three courses during fall and spring semesters. Students who are employed full-time may not register for more than two courses each semester. Courses are also scheduled during the summer months.

Course Schedules

During the fall and spring semesters classes will be scheduled during the evening hours as follows:

Monday 5:30-8:30 p.m.

Tuesday 5:30-8:30 p.m.

Wednesday 5:30-8:30 p.m.

Summer school terms will be planned to accommodate working schedules of the public school teachers.

For an application, an M.Ed. catalog, or more information about the M.Ed. program, please contact the Elon College Office of Graduate Admissions.

The departments of instruction are organized into four general divisions. These include areas of learning arranged as follows:

Division of Arts and Humanities. Art, Communication, Dance, English, Fine Arts, French, Journalism, Music, Music Theatre, Philosophy, Religious Studies, Spanish, Theatre Arts, and Women's Studies.

Division of Sciences and Mathematics. Biology, Chemistry, Computing Sciences, Mathematics, Medical Technology, and Physics.

Division of Social Sciences. Accounting, Business Administration, Cooperative Education, Economics, Geography, History, Human Services, Military Science, Political Science, Psychology, Public Administration, and Sociology.

Division of Education and Health, Physical Education, and Leisure/Sports Management. Education, Health Education, Leisure/Sports Management, Physical Education, and Sports Medicine.

Courses numbered 100-199 are on the freshman level, 200-299 on the sophomore level, and 300 and above on the junior/senior level.

Accounting

The Martha and Spencer
Love School of Business

Dean of Love School of Business:

Associate Professor Guffey

Chair, Department of Accounting:

Associate Professor McGregor

Assistant Professors: Cox, Gibney, Caldwell, Hall

To major in Accounting a student must be admitted to the Love School of Business, generally after the sophomore year. Admission is required before 300-400 level Accounting courses can be taken. To be admitted, a student must:

1. Attain junior status and satisfy college standards for continued enrollment;
2. Complete the following courses with an average of 2.0 within this group of courses: Mathematics 121 or 165; Economics 201, 246; Accounting 201, 212; Information Systems 116. Note that Accounting majors must complete Accounting 212.

In addition to the admission requirements of the Love School of Business, a major in Accounting requires Accounting 331, 332, 336, 341, 451, and 456; Business Administration 221, 323, 343, and 418; Economics 347.

A minor in Accounting requires Accounting 201, 202 or 212, 331, 336, and one additional Accounting course.

201. INTRODUCTION TO FINANCIAL ACCOUNTING

4 semester hours

Double-entry accounting with emphasis upon the conceptual framework of accounting, income statements and balance sheets; recording, analysis, and external reporting of financial

data; financial accounting for proprietorships, partnerships, and corporations is introduced. Prerequisite: IS 116.

202. BASICS OF MANAGERIAL ACCOUNTING

2 semester hours

The utilization of accounting data for decision making within an organization. Cost-volume-profit; manufacturing costs, budgeting, standard cost, normal cost system job order. Prerequisite: ACC 201. Credit will not be given for both ACC 202, 212.

212. INTRODUCTION TO MANAGERIAL ACCOUNTING

4 semester hours

An introduction to the preparation of utilization of financial data for internal management decision making. Cost-volume-profit analysis, relevant costs, budgeting, and the fundamentals of cost accounting are given emphasis. Credit will not be given for both ACC 202, 212. Primarily for accounting majors. Prerequisite: ACC 201.

331. INTERMEDIATE ACCOUNTING I

4 semester hours

A detailed treatment of the technical accounting considerations involved in the determination of income and financial position of business entities. The construction of the major financial statements is discussed, and accounting procedures and the working of accounting exercises are stressed. Prerequisite: Admission to Love School of Business. Fall semester only.

332. INTERMEDIATE ACCOUNTING II

4 semester hours

A continuation of the financial accounting considerations begun in ACC 331, with emphasis upon the liabilities and owners equity sections of the balance sheet; complex inventory valuation methods; and intangible assets. Prerequisite: ACC 331. Spring semester only.

336. COST ACCOUNTING

4 semester hours

The purposes, concepts, and procedures for generating production cost data. Concentration will be upon job order, process, and standard cost systems. Interpretation of the data in each system will be presented, including direct costing and C-V-P analysis. Prerequisite: Admission to Love School of Business. Spring semester only.

341. BASIC TAXATION

4 semester hours

An introduction to the basic structure of the federal tax system. Emphasis is placed upon the fundamental theories, procedures, and rationale of the individual income tax. Prerequisite: Admission to Love School of Business. Fall semester only.

365. ACCOUNTING APPLICATIONS

3 semester hours

Applications of Accounting to various business functions. The topics will vary from year to year. Prerequisite: Admission to Love School of Business. Winter term only.

442. ADVANCED TAXATION

2 semester hours

Advanced topics in federal taxation. Such topics as capital gains, tax-deferred transactions, the minimum tax, the investment credit, the taxation of corporations, and the estate and gift tax are given emphasis. Prerequisite: ACC 341. Spring semester only.

451. ADVANCED ACCOUNTING I

4 semester hours

Course builds upon the foundation of Intermediate Accounting I and II. Analyzes business combinations, consolidated financial statements, and governmental and nonprofit accounting. Prerequisite: ACC 332. Fall semester only.

456. AUDITING

4 semester hours

Auditing theory and practice, working papers, financial statements, and professional ethics. Emphasis on auditing standards, statistical compliance testing, and substantive testing. Prerequisite: ACC 332. Spring semester only.

471. SEMINAR: SPECIAL TOPICS

1-4 semester hours

Advanced study consisting of reading problems reports, discussions of current topics, or CPA review. Participation by students, departmental faculty, and other resource persons.

481. INTERNSHIP IN ACCOUNTING

1-3 semester hours

491. INDEPENDENT STUDY

1-3 semester hours

Art

Chair, Department of Fine Arts:
 Professor Myers
Assistant Professors: Sanford,
 Kucharski
Part-time Instructor: J. Henricks

A minor in Studio Art requires 21 hours including Art 131, 232, 321, 323, and 491 (three semester hours); six semester hours selected from 230, 233, 234, 235, 330, 333, 334, 335 or 491.

110. INTRODUCTION TO STUDIO ART

3 semester hours

An introductory level class for students with little or no studio experience. This course does not count toward the minor in Art.

131. 2-D DESIGN

3 semester hours

A basic course in the fundamentals of design with emphasis on two-dimensional media. One hour of lecture and five studio hours. Material fee: \$15.

230. CERAMICS I

3 semester hours

Techniques of working with clay in the production and firing of pottery. Experience in handbuilding and throwing pieces on the potter's wheel. One hour of lecture and five studio hours. Materials fee: \$15.

231. 3-D DESIGN

3 semester hours

A continued study of the fundamentals of design with emphasis on three-dimensional media. One hour of lecture and five studio hours. Material fee: \$15.

232. DRAWING

3 semester hours

Basic course in the fundamentals of drawing and composition using various media. One hour of lecture and five studio hours. Material fee: \$15.

233. PAINTING I

3 semester hours

Experimental studies in the techniques of

painting and composition using various media. Prerequisite: ART 131 or 232. Material fee: \$15.

234. WATERCOLOR I

3 semester hours

Experimental studies in the various techniques of painting with watercolor. One hour of lecture and five hours of studio. Prerequisite: ART 131 or 232. Material fee: \$15.

235. GRAPHICS I

3 semester hours

The development of creative ability and technical skill in the graphic media and linoprint, woodcut and intaglio. Prerequisite: ART 131. One hour of lecture and five studio hours. Material fee: \$15.

237. PHOTOGRAPHY I

3 semester hours

The course covers the basic operation of the camera and the dark room as well as the aesthetic consideration of photography as a fine art. A lab is attached to the course. Students must have a 35 mm camera. Lab fee: \$30.

321. HISTORY OF ART: PRE-HISTORY THROUGH MIDDLE AGES

3 semester hours

Historical survey of the major visual arts from the era of pre-history through the Middle Ages. Emphasis is on major artistic styles, their origin and development; major works of art and their creators.

323. HISTORY OF ART: RENAISSANCE TO THE PRESENT

3 semester hours

Historical survey of the major visual arts from the Renaissance to the present. Emphasis on major artistic styles, their origin and development, major works of art and their creators.

326. STUDIES IN ART HISTORY

3 semester hours

A topically oriented class which covers in depth a particular period, style, or theme in the history of art.

330. CERAMICS II

3 semester hours

A continuation of ART 230, which is a prerequisite. Material fee: \$15.

333. PAINTING II*3 semester hours*

A continuation of ART 233, which is a prerequisite. One hour of lecture and five studio hours. Material fee: \$15.

334. WATERCOLOR II*3 semester hours*

A continuation of ART 234, which is a prerequisite. Material fee: \$15.

335. GRAPHICS II*3 semester hours*

A continuation of ART 235, which is a prerequisite. Material fee: \$15.

368. ART IN THE ELEMENTARY SCHOOL*2 semester hours*

This course provides the Elementary Education major with the methods and materials, principles, and fundamentals of visual arts in the elementary classroom. This course cannot be counted toward the minor in Art. Enrollment is limited to Elementary Education majors who have successfully completed EDU 211, 281. Material fee: \$10.

481. INTERNSHIP IN ART*1-3 semester hours***491. INDEPENDENT STUDIO***1-3 semester hours*

Individual study and experimentation. Open only by the permission of Art faculty. Maximum credit allowed toward a degree is six hours.

Biology

Chair, Department of Biology and Allied Health: Professor H. House

Professor: Rao

Associate Professors: N. Harris, Fields

Assistant Professors: Gallucci, Kingston

A Bachelor of Arts degree with a major in Biology requires Biology 111, 113, 221, 222, 322, 345, 452, 461, 462, and eight additional semester hours of laboratory science classes

in Biology above the 100 level; Physics 101, 107; Chemistry 111, 112, 113, 114, 321, 322, 323, and 324.

A Bachelor of Science degree with a major in Biology requires Biology 111, 113, 221, 222, 322, 345, 452, 461, 462, and eight additional semester hours of laboratory science classes in Biology above the 100 level; Mathematics 265; Physics 111, 112, 115, 116; Chemistry 111, 112, 113, 114, 321, 322, 323, and 324.

Students planning to teach in secondary school should refer to Science Education for requirements.

A minor in Biology requires Biology 111 and 113 plus five additional Biology courses above the 100 level.

111. BASIC CONCEPTS IN BIOLOGY*3 semester hours*

A concepts approach that integrates basic biological chemistry, bioenergetics, cell structure and function, reproduction, inheritance, evolution and ecology. Biology 113 should be taken concurrently to satisfy the four-hour lab/science requirement.

113. LAB FOR BASIC CONCEPTS IN BIOLOGY*1 semester hour*

This course is designed to provide the lab experience for the lecture course Biology 111. Biology 111 should be taken concurrently to satisfy the four-hour lab/science requirement.

121. BIOLOGICAL DIVERSITY*3 semester hours*

A basic study of the world around us as seen through biological diversity and a survey of plant and animal biology. This course will emphasize the importance of diversity to our existence and provide basic knowledge of the structure and function of plants and animals as well as interactions between them and human existence.

161. HUMAN ANATOMY*4 semester hours*

A study of the human anatomy with emphasis in the areas of skeleton, muscle, nerves, endocrine, heart, blood, respiration, digestive, and urinary aspects. Three class hours, one laboratory per week.

162. HUMAN PHYSIOLOGY*4 semester hours*

A study of human physiology with emphasis in the areas of skeleton, muscle, nerve, endocrine, heart, blood, respiration, digestion and urinary aspects. Three class hours, one laboratory per week.

181. BIOLOGY LAB TECHNIQUES*2 semester hours*

A training course for prospective lab assistants. Skills taught include lab procedures, materials preparation and grading procedures.

221. GENERAL ZOOLOGY*4 semester hours*

A survey of the animal kingdom with emphasis on selected vertebrates and invertebrates, including basic concepts of morphology, anatomy, physiology and taxonomy. Three class hours, one laboratory per week. Prerequisite: BIO 111.

222. GENERAL BOTANY*4 semester hours*

A survey of the plant kingdom with emphasis on vascular plants. Topics covered are general morphology, anatomy, physiology of metabolism and growth, economic importance, and identification. Three class hours, one laboratory per week. Prerequisite: BIO 111.

301. ENVIRONMENTAL CONSERVATION*3 semester hours*

An interdisciplinary study of the interrelationships of man and the environment. Social, economic, ethical and political aspects of man's impact on environment are studied. Prerequisite: A previous lab science course. No credit toward the biology major.

311. COMPARATIVE VERTEBRATE EMBRYOLOGY*4 semester hours*

The developmental process with emphasis on gametogenesis, differentiation, organogenesis, and morphogenic patterns of development as it occurs in the frog, chick, and a mammal. Three class hours, one laboratory per week. Prerequisite: BIO 221. Offered alternate years.

312. COMPARATIVE VERTEBRATE ANATOMY*4 semester hours*

A comprehensive, comparative study of chordate anatomy with emphasis on evolution and

morphology of systems. Lower chordates and vertebrates are used in dissection and study. Three class hours, one laboratory per week. Prerequisite: BIO 221. Offered alternate years.

321. MICROBIOLOGY*4 semester hours*

A general survey of microorganisms with emphasis on bacteria, their cytophysiological characteristics and classification, viruses, microbial diseases and immunity, and the role of microorganisms in human affairs. Three class hours, one laboratory per week. Prerequisites: BIO 111, 113 and CHM 111, 112.

322. CELL BIOLOGY*4 semester hours*

Structure of Prokaryotic and Eucaryotic Cells. Structure and function of subcellular components. Mechanisms of cellular reproduction, respiration, photosynthesis and protein synthesis are covered. Also discussed are cellular differentiation, growth and development, molecular genetics and general properties of viruses. Three class hours and one laboratory per week. Prerequisites: BIO 111, 113 and CHM 321, 322.

325. HUMAN HISTOLOGY*4 semester hours*

A survey of the tissues of the human body with emphasis upon the cardiovascular, alimentary, respiratory, urinary and reproductive systems. Tissue identification and the relationship of microanatomy to physiology are stressed. Three class hours, one laboratory per week. Prerequisite: BIO 111 and 221. Offered alternate years.

335. FIELD BIOLOGY*4 semester hours*

A field-oriented course, restricted to selected taxa, environments, or biological phenomena as they exist in nature. In-depth field studies may include identification, classification, life histories and interrelationships of selected organisms. Offered during winter and/or summer terms.

341. ANIMAL PHYSIOLOGY*4 semester hours*

Emphasizes the functions, regulatory processes and responses occurring in the organ systems of the animal body. Three class hours, one laboratory per week. Prerequisites: BIO 221, CHM 111, 112. Offered alternate years.

342. PLANT PHYSIOLOGY*4 semester hours*

A study of the life processes of plants. Topics include photosynthesis, mineral nutrients, movement of materials, plant growth substances, and senescence. Three class hours, one laboratory per week. Prerequisites BIO 222, CHM 111.

345. GENETICS*4 semester hours*

An introduction to the Mendelian and molecular principles of genetics and the applications of these principles to the modern world. Three class hours, one laboratory per week. Prerequisites: BIO 111, 221 or 222, CHM 111, 112 or permission of instructor.

391. RESEARCH*1-2 semester hours*

Library and laboratory or field research by the individual student under the direction of the departmental faculty. Open to students at all levels. Maximum total credit, eight semester hours. Prerequisite: Permission of the Biology staff.

425. BIOCHEMISTRY*3 semester hours*

A survey of biochemistry as it relates to the physiology of organisms. Topics include: biochemical methodology; pH buffers and water; protein structure, function and synthesis; enzymes; bioenergetics; anabolism and catabolism of carbohydrates and lipids; metabolic regulation. Prerequisites: BIO 221 or 222, CHM 321-324 or permission of instructor. Offered alternate fall terms. (BIO 425 is the same as CHM 425.)

426. LAB FOR BIOCHEMISTRY*1 semester hour*

Designed to provide students with laboratory experience in bioassay procedures, methods for separating, isolating, and identifying lipids, fatty acids, amino acids, simple and complex proteins. Three laboratory hours. Corequisite: BIO 425.

452. GENERAL ECOLOGY*4 semester hours*

A study of the interrelationships of organisms with their biotic and abiotic environments. Ecological principles at the population, community and ecosystem levels are discussed.

Three lecture hours, one laboratory hour per week. Prerequisites: BIO 221, 222 and junior standing.

461. SEMINAR I*2 semester hours*

Instruction and experience in extensive literature search and formal oral presentation of current information concerning a specific biological topic of interest. Restricted to junior and senior biology majors or by permission of the instructor. Offered each spring.

462. SEMINAR II*1 semester hour*

A capstone biology experience to be met by one of the following options: (1) a course in which students integrate experience with published research to lead a discussion of a biological topic. (2) A research project with a biology faculty member. (3) An internship or co-op experience. All options include a formal paper and presentation. Offered each fall.

481. INTERNSHIP IN BIOLOGY*1-3 semester hours*

Business Administration

The Martha and Spencer Love
School of Business

Dean of Love School of Business:

Associate Professor Guffey

Professor: Weavil

Associate Professors: Baxter,
McClellan, Mitchell, Behrman

Assistant Professors: O'Mara,
Peterson, Synn,

Instructor: Helmstettler

To major in Business Administration a student must be admitted to the Love School of Business, generally after the sophomore year. Admission is required before most 300-400 level Business Administration courses or Economics 301 can be taken. To be admitted, a student must: (1) attain

junior status and satisfy college standards for continued enrollment; (2) complete the following courses with an average of 2.0 within this group of courses: Mathematics 165 or 121; Economics 201, 246; Accounting 201 and either 202 or 212; Information Systems 116.

In addition to the requirements for admission to the Love School of Business, a major in Business Administration requires Business Administration 221, 311, 323, 343, 360, and 465; Economics 301; completion of one of the following areas of concentration: Finance—Business Administration 413, 421; Marketing—two courses from Business Administration 414, 415, 417; Management—Business Administration 425, 426; and one course from Accounting 365, Business Administration 365, 366, and Economics 365, 366.

A minor in Business Administration requires Business Administration 311; 303 or 323; Accounting 201 and either 202 or 212; Economics 201.

The College offers a Master of Business Administration program which requires 36 semester hours of graduate work. Students are encouraged to apply regardless of undergraduate major. For requirements and policies please refer to page 59-64 or the Graduate Catalog.

221. BUSINESS LAW

2 semester hours

An introduction to the law as it applies to businesses. The law and the courts; administrative agencies; contracts; personal property; commercial paper; agency; employment; partnerships; corporations.

302. BUSINESS COMMUNICATIONS

3 semester hours

Study of the theory and principles of good oral and written communications. Provides instruction and practice in writing business reports, letters, and memoranda.

303. INTRODUCTION TO MANAGING

3 semester hours

Examination of universal business processes applied by all organizations including not-for-profit and government. These include: goal setting, planning, decision making, motivation, human resource management, control. Primarily for non-majors. Credit will not be given for both BA 303, 323.

311. PRINCIPLES OF MARKETING

4 semester hours

The forces involved in the flow of goods from the point of production to the point of consumption, and the channels of distribution. The interest of the consumer; the marketing function; commodity, agricultural and industrial marketing; merchandising considerations; price policies; and governmental regulation of competition. Prerequisite: ECO 201.

323. PRINCIPLES OF MANAGEMENT

4 semester hours

An introduction to the precepts expounded by the classical, the scientific and the behavioral management approaches, with particular emphasis on organization and qualitative decision theory. Credit will not be given for both BA 303, 323. Prerequisite: Admission to the Love School of Business.

343. MANAGERIAL FINANCE

4 semester hours

A study of corporate managerial functions from the finance perspective. The course surveys the principal elements of modern financial management. These include: Financial Analysis and Control; Working Capital Administration; Capital Budgeting; Valuation Theory; Capital Structure and Leverage; and Debt and Equity Instruments. Prerequisite: Admission to the Love School of Business.

351. FUNDAMENTALS OF REAL ESTATE

4 semester hours

A survey of contemporary practices, issues, and analyses from several disciplines—economics, finance, marketing, and law—as they relate to the use of land and buildings. Prerequisites: ACC 201; ECO 201, or permission of the instructor.

360. PRINCIPLES OF DECISION SCIENCE

4 semester hours

The application of quantitative methods to business decision making, especially production

and operations decisions. Prerequisite: Admission to the Love School of Business or senior standing in Computer Information Systems.

365. BUSINESS ADMINISTRATION APPLICATIONS

3 semester hours

Applications of business administration in various business functions. Topics will vary from year to year. Prerequisite: Admission to the Love School of Business. Offered during the day winter term only. Offered in the evenings in alternate years.

366. FIELD EXPERIENCE IN BUSINESS

3 semester hours

Travel course. Visits to diverse businesses, domestically or abroad. Analysis of the businesses visited. Prerequisite: Admission to the Love School of Business. Winter term only.

413. ADVANCED MANAGERIAL FINANCE

4 semester hours

An in-depth study of financial management from the perspective of valuative theory. The topics of security evaluation and capital budgeting are discussed within the framework of the Capital Asset Pricing Model. Cost of capital, capital structure, and leverage are related to valuation concepts; and long-term financing includes studies of leasing as well as warrants, convertibles, and options. Valuation impacts of mergers and reorganizations are included. Prerequisite: BA 343. Spring semester only.

414. MARKETING RESEARCH

4 semester hours

An application of research methods to the marketing functions. Emphasis is placed upon gathering and analyzing market data, and the relationship of findings to the decision-making process of the firm. Prerequisites: Admission to the Love School of Business and BA 311. Fall semester only.

415. ADVERTISING

4 semester hours

An examination of the creative process as an integral part of the marketing mix. Requirements include development of a total advertising and promotion program, from strategy to execution, including media plans, draft executions of advertising and promotion materials, and methods of campaign evaluation.

416. FUNDAMENTALS OF INSURANCE

3 semester hours

The basic principles underlying insurance contracts and the scope of coverage under the several divisions of insurance including life, fire, casualty, marine, bond and automobile insurance.

417. MARKETING CHANNELS

4 semester hours

An in-depth analysis of the structures and functions of the middleman. Emphasizing channel management, performance and strategy, the course explores the relationships, problems and developing interfaces between manufacturers, wholesalers and retailers. Prerequisites: Admission to the Love School of Business and BA 311. Spring semester only.

418. COMMERCIAL LAW

4 semester hours

A technical study of the American legal system. Principal topics are the Uniform Commercial Code provisions governing contracts, sales, and commercial paper; creditors' rights; and the law of wills and trusts. For accounting majors only. Prerequisite: BA 221.

421. INVESTMENT PRINCIPLES

4 semester hours

Designed to enable investors to manage a fund according to a predetermined objective. Emphasis on the factors of safety, income, and marketability; diversification and vigilance; and the bases of analysis of company management and industry trends to determine the present and prospective values of securities. Prerequisite: BA 343. Fall semester only.

422. BUSINESS AND SOCIETY

4 semester hours

Relationship of the organization to its social and legal environment; interaction of firms, customers, and agencies of the federal, state and local governments; environmental effects on individuals and the general economy; the firm as a citizen.

425. PERSONNEL ADMINISTRATION

4 semester hours

A study of the basic personnel practices, objectives, functions and organization of personnel programs. Topics include job evaluation, selection and placement, testing, promotion, compensation, training, safety and

health, and employee relationships. Prerequisite: BA 303 or 323.

426. PRODUCTION AND OPERATIONS MANAGEMENT

4 semester hours

Principles of management applied to production systems. Main emphasis is given to production capacity planning; job design; standards and work measurement; scheduling; quality control; and inventory management. Prerequisite: BA 360.

445. SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT

4 semester hours

Application of analytical tools and techniques used in appraising the national economy as well as specific industries and companies. Emphasis is on securities markets as viewed by managers of institutional portfolios or individuals managing a personal portfolio. Prerequisite: BA 343.

465. BUSINESS POLICY

4 semester hours

A business capstone course intended to integrate the student's background, experiences, and previous business core and major business curriculum through case studies and business decisions simulation exercises. Prerequisites: BA 311, 323, 343, 360, and senior status. Should be taken during final semester.

471. SEMINAR: SPECIAL TOPICS

4 semester hours

Advanced study consisting of readings, and discussion of special topics. Participation by students, faculty, and other resource persons.

481. INTERNSHIP IN BUSINESS ADMINISTRATION

1-3 semester hours

491. INDEPENDENT STUDY

1-4 semester hours

Chemistry _____

Chair, Department of Chemistry:
Associate Professor Gooch
Professors: Danieley, E. Grimley
Associate Professor: Agnew

Assistant Professors: Wright, J. Grimley

A major in Chemistry resulting in the A.B. degree requires Chemistry 111, 112, 113, 114, 221, 222, 321, 322, 323, 324, 411, 421, 471 (one semester hour); Mathematics 121; Physics 111, 112, 115, 116 (or Physics 113, 114, 115, 116); and Computing Sciences 130.

A major in Chemistry resulting in the B.S. degree requires Chemistry 391 (five semester hours), 412 and 492 (one semester hour), in addition to the requirements for the A.B. degree described in the preceding paragraph.

A minor in Chemistry requires a total of 20 hours from Chemistry 111, 112, 113, 114, 321, 322, 323, 324, and one course from 221, 222, 411; 425 and 426; or four hours of 391.

101. BASIC CONCEPTS IN CHEMISTRY

3 semester hours

A course designed to meet partially the general mathematics-science requirement of the College. Atomic structure, radiochemistry, chemical changes, descriptive chemistry, chemistry of selected elements, introduction to organic chemistry, home and environmental chemistry. Three class hours. No credit given to students having prior credit for Chemistry 111. No credit toward the Chemistry major or minor.

102. LAB FOR BASIC CONCEPTS IN CHEMISTRY

1 semester hour

This course provides the lab experience for and is to be taken concurrently with Chemistry 101. Two laboratory hours. No credit toward the Chemistry major or minor.

110. INTRODUCTION TO CHEMISTRY

3 semester hours

Designed to provide the basic knowledge and skills which the student will need in Chemistry 111, 112. Recommended for students with

little or no high school preparation in chemistry or meager background in mathematics. No credit given to students having prior credit for Chemistry 101 or 111. No credit toward Chemistry major or minor.

111, 112. GENERAL CHEMISTRY I AND II

3 semester hours each semester

Fundamental principles of inorganic, physical, and experimental chemistry. Atomic structure as it is related to the classification of the elements and the nature of their compounds. The more common elements and compounds are considered. Prerequisite to higher level courses in chemistry.

113, 114. LABS FOR GENERAL CHEMISTRY I AND II

1 semester hour each semester

These courses provide the lab experiences for the respective lecture courses, Chemistry 111, 112. Three laboratory hours. To be taken concurrently with 111, 112.

221. QUANTITATIVE ANALYSIS

4 semester hours

Theory and techniques of volumetric and gravimetric procedures. Two class hours, six laboratory hours. Prerequisites: CHM 111, 112, 113, 114.

222. INORGANIC CHEMISTRY

4 semester hours

A study of the elements and their compounds based on atomic structure and periodicity. Chemical bonding as it relates to molecular structure and chemical reactivity. Aqueous and nonaqueous solvent systems, acid-base theories, and the chemistry of complexes. Three class hours, three laboratory hours. Prerequisites: CHM 111, 112, 113, 114.

301. CHEMISTRY AND SOCIETY

3 semester hours

Case studies from the physical sciences emphasizing a rational approach to the solution of societal problems using the experimental approach. No prerequisites.

321. ORGANIC CHEMISTRY I

3 semester hours

A detailed study of the chemistry of hydrocarbons. Topics include nomenclature, the relation of structure to physical/chemical properties, mechanism of chemical reactions, stereochemistry, conformational analysis, synthesis

and characteristic reactions of several classes of compounds. Three class hours. Prerequisites: CHM 111-114; corequisite: CHM 323.

322. ORGANIC CHEMISTRY II

3 semester hours

A continuation of Chemistry 321, with emphasis on the chemistry of compounds containing oxygen or nitrogen, and an introduction to the chemistry of lipids, carbohydrates and proteins. Three class hours. Prerequisite: Chemistry 321; corequisite: CHM 324.

323. ORGANIC CHEMISTRY LAB I

1 semester hour

Laboratory work to complement CHM 321. Methods include determination of physical properties, crystallization, distillation, chromatography, structure identification and synthesis of organic compounds. Three laboratory hours.

324. ORGANIC CHEMISTRY LAB II

1 semester hour

Laboratory work to complement Chemistry 322. Microscale synthetic methods, synthesis using airsensitive compounds, qualitative organic analysis. Three laboratory hours. Prerequisite: CHM 323.

391. RESEARCH

1-3 semester hours

Experimental and/or theoretical research by individual students under the supervision of the department faculty. Maximum total credit, eight semester hours. Prerequisite: Permission of the Chemistry faculty.

411. PHYSICAL CHEMISTRY I

4 semester hours

Topics in thermodynamics, kinetics, colligative properties of solutions, and colloids. Three class hours, three laboratory hours. Prerequisites: CHM 111-114, Physics Requirements, MTH 121.

412. PHYSICAL CHEMISTRY II

3 semester hours

An introduction to quantum mechanical concepts of group theory and symmetry of properties of molecules, and an introduction to molecular spectroscopy. Three class hours. Prerequisite: CHM 411 or consent of instructor.

421. INSTRUMENTAL ANALYSIS*4 semester hours*

Theory and practice of advanced analytical techniques with emphasis on instrumental methods of analysis. Three class hours, three laboratory hours. Prerequisite: CHM 111-114.

425. BIOCHEMISTRY*3 semester hours*

A survey of biochemistry as it relates to the physiology of organisms. Topics include: biochemical methodology; pH buffers and water; protein structure, function and synthesis; enzymes; bioenergetics; anabolism and catabolism of carbohydrates and lipids; metabolic regulation. Prerequisites: BIO 221 or 222, CHM 321-324, or permission of instructor. (CHM 425 is the same as BIO 425.)

426. LAB FOR BIOCHEMISTRY*1 semester hour*

Designed to provide students with laboratory experience in bioassay procedures, methods for separating, isolating, and identifying lipids, fatty acids, amino acids, simple and complex proteins. Three laboratory hours. Prerequisite or co-requisite: CHM 425.

461. SPECIAL TOPICS*1-3 semester hours*

Advanced topics to meet the needs and interests of the students. Possible topics include: Computers in Chemistry; Methods in Nuclear Chemistry and Magnetic Resonance; and Analytical Separations. Prerequisite: Permission of the department.

471. SEMINAR*1 semester hour*

Oral presentation and discussion of topics from the current literature of chemistry by students, staff, and visiting scientists. Instruction and practice in writing and in the use of the literature of chemistry. One class hour. Prerequisite: CHM 111-114.

481. INTERNSHIP IN CHEMISTRY*1-3 semester hours*

Work experience at an advanced level in chemical field. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: Permission of chemistry staff.

492. SENIOR THESIS*1 semester hour*

This course is designed to focus on the formal

writing process related to results of the experimental and/or theoretical research conducted in Chemistry 391. Emphasis will be placed on the style of scientific writing. Prerequisite: CHM 391 (three semester hours.)

Communications

Chair, Department of Journalism and Communications: Assistant Professor Grady

Associate Professor: Padgett

Assistant Professors: R. Johnson, Gibson, M. Johnson, Fulkerson, Merron, Swanson

Instructor: Hamm

Programs are offered in Journalism and Communications. A student majoring in communications must choose Broadcast Communications or Corporate Communications as an area of emphasis.

Journalism. Students will study in the areas of print and broadcast news. Emphasis will be placed on researching, reporting, writing, editing, and layout, and audio and video production.

Broadcast Communications. Students will acquire an understanding of radio, television and cable television operations. The program will prepare students in the electronic media as producers, directors, performers, and production personnel.

Corporate Communications. Students will study the internal and external communication of businesses. These studies will be pertinent to areas of public relations, advertising, and corporate communications.

To major in Journalism and Communications a student must be admitted to the Journalism and Communications Department, generally during the sophomore year. Admission is

required before many Journalism and Communications courses can be taken. To be admitted, a student must: (1) complete a minimum of 42 semester hours, and (2) complete the following courses with a GPA of at least 2.2: English 111 and 112, Communications 215 and 225, and either 240 or 325.

A major in Journalism requires Communications 215, 225; Art 237 or Communications 240; Communications 315, 325, 330, 365, 425, 465 and 495, plus nine semester hours of Journalism and Communications courses at the 300-400 level and six semester hours of 300-400 level courses in any one discipline offering a major or minor except Journalism or Communications.

A major in Communications with an emphasis in Broadcast Communications requires Communications 210 or 212; Communications 215, 225, 240 315, 335; 345 or 355; 360, 465 and 495, plus nine semester hours of Journalism and Communications courses at the 300-400 level and six semester hours of 300-400 level courses in any one discipline offering a major or minor except Journalism or Communications.

A major in Communications with emphasis in Corporate Communications requires Communications 210, 215, 225, 227, 233, 240, 315, 318, 325, 465 and 495. Additional requirements are Accounting 201, Business 303, and six semester hours of 300-400 level courses in Journalism and Communications and/or Business Administration.

A minor in Journalism and Communications requires Communications 210, 215 225, 240 or 325; plus six semester hours from the following courses: Communications 315, 337,

360, 361, 362, 365, 381, 382, 383, 460, 462, 463, or 465. Not more than three semester hours may be internship credit.

101. PARLIAMENTARY PROCEDURE

1 semester hour

A study of the rules which govern the proceedings of the deliberative assemblies, correlated with practice in the use of these rules. Emphasis on the practical application of parliamentary procedure in the conduct of meetings.

210. PUBLIC SPEAKING

3 semester hours

The fundamentals of public speaking: principles in oral and nonverbal communications, actual practice in delivery of ideas, organization, supporting evidence, attention to diction, analysis of varied public presentations.

212. BROADCAST PERFORMANCE

3 semester hours

This course is designed to help students become more effective communicators and performers in electronic media. Emphasis will be given to the communication of ideas on radio and television. The course will stress vocal and visual presentation, voice and diction, pronunciation, appearance, gestures, and movement. Prerequisite: Admission to the Journalism/Communications Department.

215. SURVEY OF COMMUNICATIONS

3 semester hours

This course is an introduction to the communication process and mass communications media. It will survey the history of newspapers, magazines, books, films, radio, television and cable, as applicable in public and corporate communications. Special emphasis will be given to the function and operation of contemporary mass media. Prerequisites: ENG 111 or 112.

225. REPORTING AND NEWSWRITING

4 semester hours

A study of the basic types of news articles for the mass media, intended to enable students to gather information and report it in standard journalistic style. Special attention is given to writing leads, interviewing techniques and editing copy. Word processing ability necessary. Prerequisite: JC 215.

227. CORPORATE PUBLISHING*3 semester hours*

An introduction to the basic design and layout of corporate and institutional newsletters, magazines, newspapers and other materials. The application of desktop publishing and presentational software will be discussed. There is a lab fee of \$30.

233. PRINCIPLES OF PUBLIC RELATIONS*3 semester hours*

An introductory level course in public relations. It covers basic public relations objectives and problems. Emphasis is placed on use of effective tools plus the use of media to reach various publics. Prerequisite: Admission to Journalism/Communications Department.

240. AUDIO/VIDEO PRODUCTION*4 semester hours*

An introduction to the basic principles, techniques and technologies of audio and video production. Students will learn to utilize the basic tools of audio and video through news and production assignments. Prerequisite: JC 215.

251. COMMUNICATIONS STUDIES ABROAD*3 semester hours***315. MEDIA AND SOCIETY***3 semester hours*

A study of the role of mass communications media in society. The course will examine the structure, function and interaction of mass media. Consideration will be given to media constraints and effects on society.

318. ORGANIZATIONAL COMMUNICATIONS*3 semester hours*

An introduction to process and patterns of communications within organizations. The course will cover techniques of information dissemination, and the application of various media and methods. Prerequisite: Admission to Journalism/Communications Department.

325. NEWS EDITING AND LAYOUT*4 semester hours*

Study and practice in design and makeup of the modern newspaper, including copy editing, headline writing, scaling and cropping of photographs, caption writing, page layout, and use of art and graphics. Prerequisite: JC 225.

326. FEATURE WRITING*3 semester hours*

A study of basic types of feature articles for newspapers and magazines. Emphasis is on applying techniques of fiction (narrative, characterization, dialogue, scenes) to nonfiction writing. Prerequisite: Admissions to Journalism/Communications Department.

330. BROADCAST JOURNALISM*3 semester hours*

A critical approach to the gathering, reporting and production of radio and television news. Students discuss and evaluate news, commentary and sports features. Each student creates and produces documentary and feature programs. Prerequisites: JC 240 and admission to Journalism/Communications Department.

335. WRITING FOR ELECTRONIC MEDIA*3 semester hours*

A general course designed to acquaint students with the style, forms and content approaches used in writing for radio and television and other audio/visual presentations. Prerequisite: Admission to Journalism/Communications Department.

337. THE DOCUMENTARY*3 semester hours*

A survey course that will trace the origins of the documentary, subsequent developments, and its current status.

345. ADVANCED AUDIO PRODUCTION*4 semester hours*

An advanced study of radio production techniques, including editing, music and sound effects, signal processing and multi-channel production. Course work includes announcing, commercial, news and documentary production. Prerequisites: JC 240 and admission to Journalism/Communications Department.

352. CORPORATE VIDEO PRODUCTION*4 semester hours*

This course is a study of how to research, write, rewrite, and produce video productions for internal and external corporate presentations. Emphasis will be placed on achieving the goals of the organization through the video medium by informing, persuading and entertaining. Studio and remote production equipment will be used in the production of projects. Prerequisite: Admission to Journalism/Communications

355. ADVANCED VIDEO PRODUCTION*4 semester hours*

An advanced study of video production techniques for use in television broadcasting and other video media. The course will concentrate on electronic field production with emphasis on the aesthetics of teleproduction. Students will research, write and produce public service announcements and commercials for local clients. Prerequisite: JC 240.

360. HISTORY OF BROADCASTING*3 semester hours*

The purpose of this course is to help students develop an appreciation and understanding of the history of radio and television broadcasting in the United States. Students should acquire an awareness of the evolution of equipment, programming and government regulation of broadcasting. An emphasis will be placed on important personalities and their contributions.

361. DEVELOPMENT OF THE CINEMA*3 semester hours*

This course is designed to give students an appreciation of the historical development of film as an art form. Students will view significant films and study the contributions of important directors.

362. A STUDY OF FILMS*3 semester hours*

(Same course as ENG 362. See ENG 326 for description.)

365. HISTORY OF PRINT JOURNALISM*3 semester hours*

This course will help students develop an appreciation and understanding of the history of print journalism in the United States. The course will focus on the development of newspapers and magazines in the United States, with an emphasis on the contributions of outstanding writers, editors and publishers.

371. SEMINAR: SPECIAL TOPICS*1-3 semester hours*

Specialized topics or issues in Journalism and Mass Communication. Recent studies included Magazine Journalism, Propaganda and Mass Media, Rock Music and Mass Media.

380. MEDIA WORKSHOP*1 semester hour*

An on-campus practicum in aspects of radio

or television production or broadcasting, newspaper publishing or public relations. Students must arrange a learning contract with the instructor at the beginning of each term. Prerequisites: JC 325 or 240, as appropriate, junior or senior status, and permission of the instructor. Only three semester hours credit may be used toward the major.

381. JOURNALISM INTERNSHIP*3 semester hours*

An off-campus work experience at an advanced level in some aspect of journalism. Offered on an individual basis when suitable opportunities can be arranged. Prerequisites: JC 225, 325, junior/senior status, and permission of the instructor.

382. BROADCAST COMMUNICATIONS INTERNSHIP*3 semester hours*

An off-campus work experience at an advanced level in some aspect of broadcasting. Offered on an individual basis when suitable opportunities can be arranged. Prerequisites: JC 240, junior/senior status, and permission of the instructor.

383. CORPORATE COMMUNICATIONS INTERNSHIP*3 semester hours*

An off-campus work experience at an advanced level in some aspect of corporate communications. Offered on an individual basis when suitable opportunities can be arranged. Prerequisites: JC 240 or 325, junior/senior status, and permission of the instructor.

425. ADVANCED REPORTING AND EDITING*3 semester hours*

A study of sophisticated reporting techniques, including investigative reporting and the editor's role in covering the news of a community. The campus newspaper, *The Pendulum*, serves as a laboratory for this course. Prerequisites: JC 325, and admission to the Journalism/Communications Department.

430. TV NEWS REPORTING*4 semester hours*

An advanced study of electronic news gathering. Students will analyze current examples of news and public affairs programming. Student will research, write, edit and produce television news packages that will be assembled into television newscasts. Prerequisites: JC 330 and

admission to the Journalism/Communications Department.

60. INTERNATIONAL COMMUNICATIONS

1 semester hours

An examination of the media system of many countries, stressing the chief problem of communications across cultural, economic, sociological and political barriers.

62. POLITICS IN MASS MEDIA

1 semester hours

This course examines the effects of mass media on the American political system. The evolution of media impact will be traced from print journalism through radio and television.

63. THE AUTEUR DIRECTOR

1 semester hours

The auteur theory proposes that the greatest movies are dominated by the personal vision of one person, the director. This course will examine the career of a specific director with emphasis on his/her auteur characteristics. Students will view selected films from the director's filmography and prepare a paper on particular auteur characteristic. Prerequisite: C 361.

65. LAW AND ETHICS OF MASS COMMUNICATIONS

1 semester hours

Law and ethics of print journalism and broadcasting with particular emphasis on libel laws, invasion of privacy, free press-fair trial, obscenity and pornography, censorship, federal regulations of broadcasting content.

90. RESEARCH METHODS

1 semester hours

This course presents the theoretical and methodological knowledge necessary to conduct mass communication research, political polling, marketing research, and the reporting of research will be considered. Prerequisite: admission to Journalism/Communications Department.

91. INDEPENDENT STUDY

1-3 semester hours

95. JOURNALISM/COMMUNICATIONS SENIOR SEMINAR

1 semester hours

This is the capstone course for all majors in Journalism and Communications. The course

will examine current issues and research in journalism, broadcast communications and corporate communications. Students will demonstrate competence in areas (such as communication theory, history, and law) through projects and examinations. Prerequisite: Senior Journalism or Communications major. (Students entering school since 1991 must pass this course with a grade of "C" or better.)

Computing Sciences _____

Chair, Department of Computing Sciences: Associate Professor Carpenter
Professor: W. Hightower
Assistant Professors: Plumblee, V. Hightower, Murphy

Computer Systems (CS) Requirements. A major in Computer Science requires Computer Science 130, 135, 235, 326, 331, 341, 342, 351 and nine semester hours of 300-400 level Computer Science (CS) courses (other than Computer Science 361 and Computer Science 481) at least six of which must be at the 400 level. Additional courses required are Mathematics 111 (or competency), Mathematics 112 (or competency), Mathematics 121, 221, 241, 311 and a probability and/or statistics course.

A minor in Computer Science requires Computer Science 130, 135, 235, 326 and six semester hours of 300-400 level Computer Science (CS) courses (other than Computer Science 361 and Computer Science 481).

130. COMPUTATIONAL PROGRAMMING

4 semester hours

An introduction to programming and problem solving using a higher level computer language (Pascal). Emphasis on applications from disciplines which have a quantitative orientation. A weekly group lab experience will be incorporated into the course. Prerequisite: Mathematics 111 or its exemption. (CS 130 is the same as IS 130.)

135. PROGRAMMING AND ALGORITHM DEVELOPMENT*3 semester hours*

Algorithm development and analysis. Program correctness, recursion and elementary data structures. Emphasis on modularization and program structure using Pascal. Prerequisite: CS/IS 130. Corequisite: MTH 241. (CS 135 is the same as IS 135.)

171. SPECIAL TOPICS*1-3 semester hours*

Study of microcomputers and specialized pieces of software. Software selection varies and is chosen from spreadsheets, database management and other introductory software packages. Prerequisite may be specified for certain software packages.

220. COMPUTERS AND TEACHING*3 semester hours*

This course, designed for students planning careers in teaching, will explore current trends in the integration of computing and related technology into the elementary, middle grades, and secondary curricula. Topics include an overview of microcomputer hardware and operational techniques as well as techniques for selecting, evaluating, and implementing computer software for use in an educational setting. Through hands-on experience and project work, students will be exposed to computer assisted instruction, computer managed instruction, application software, and programming languages appropriate for their intended grade levels and subject areas. Prerequisite: EDU 211 or permission of instructor.

235. SOFTWARE METHODOLOGY*3 semester hours*

Data abstraction and information hiding. Object oriented design. Packages, generic, program units, tasks and exception handling. The language Ada will be used. Prerequisite: CS/IS 135. (CS 235 is the same as IS 235.)

260. SPSS*2 semester hours*

Designed to assist students in preparing and executing data analysis using The Statistical Package for the Social Sciences. Prerequisite: Three semester hours of statistics or permission of the instructor.

315. NUMERICAL ANALYSIS*3 semester hours*

An introduction to numerical analysis. Floating point arithmetic, interpolation, approximation, numerical integration and differentiation, nonlinear equations, and linear systems of equations. Prerequisites: CS/IS 135, MTH 311 and MTH 321 or permission of the instructor. (CS 315 is the same as MTH 315.)

321. COMPUTER GRAPHICS*3 semester hours*

Graphics hardware, packages and standards. Windows and clipping. Geometrical transformations. Removal of hidden edges and surfaces. Prerequisites: CS/IS 135 and MTH 311.

326. FILE PROCESSING*3 semester hours*

Concepts and techniques of structuring data on mass storage devices. Sort/merge/search algorithms for sequential and direct access files. Techniques for updating, deleting and inserting records. Prerequisite: CS/IS 235. (CS 326 is the same as IS 326.)

331. DATA STRUCTURES*3 semester hours*

Applications of and implementation of algorithms for common data structures. Efficient sort/merge/search algorithms. Dynamic storage allocation, garbage collection and companion. Prerequisite: CS/IS 326.

336. DESIGN OF DATA BASE MANAGEMENT SYSTEMS*3 semester hours*

Introduction to data base concepts and design techniques. Network, relational and hierarchical data models. Normalized forms of data relations. Query facilities. Prerequisite: CS/IS 326. (CS 336 is the same as IS 336.)

341. ASSEMBLY LANGUAGE PROGRAMMING*3 semester hours*

Internal representation of data, Boolean algebra, computer arithmetic, and addressing techniques. Machine language and assembly programming. Subroutines, macros, and conditional assembly. Prerequisite: CS/IS 135.

342. COMPUTER ORGANIZATION*3 semester hours*

Architectural levels. Systems organization. Digital logic. Microprogramming. Machine

level and instruction formats. Assembly, linking and loading. Architectural alternatives. Prerequisite: CS 341.

351. THEORY OF COMPUTATION

3 semester hours

An introduction to theoretical computer science and further study of discrete mathematical structures which find applications in computer science. A selection will be made from the following topics: Predicate calculus, groups, coding theory, graphs, trees, formal languages, grammars, finite state automata, Turing machines, complexity theory. Prerequisites: MTH 241, 311, and CS/IS 135. (CS 351 is the same as MTH 351.)

361. COMPUTERS AND SOCIETY

3 semester hours

History of computing and technology. Past, present and future impact of the computer on the individual and society. Legal and ethical issues confronting the computer user and the computer professional. Prerequisite: ENG 112 and three semester hours of Information Systems or Computer Science courses.

371. SPECIAL TOPICS

1-3 semester hours

Extensive study of specialized pieces of software. Selection varies and is chosen from available database, spreadsheet, accounting and payroll packages and other current software. Prerequisite: CS 135 or permission of instructor.

421. INTRODUCTION TO ARTIFICIAL INTELLIGENCE

3 semester hours

An introduction to basic concepts and techniques of artificial intelligence. Strategies for choosing representations, search strategies, communication and perception, and applications. Prerequisite: CS/IS 326.

435. ORGANIZATION OF PROGRAMMING LANGUAGES

3 semester hours

An introduction to language definition structure, data types and structures, control structures and data flow, run-time characteristics and lexical analysis and parsing. Programming assignments involve the use of several different languages. Prerequisite: CS 331.

441. INTRODUCTION TO OPERATING SYSTEMS AND COMPUTER ARCHITECTURE

3 semester hours

The fundamental concepts of operating systems and their relationship to computer architecture. Concurrent programming, interrupt processing, memory management, and resource allocation. Prerequisite: CS 342.

451. COMPILER DESIGN AND IMPLEMENTATION

3 semester hours

An introduction to the basic techniques of compiler design and implementation. Specification of syntax and semantics; lexical analysis; parsing, semantic processing. Prerequisites: CS 351, 435.

471. SEMINAR: SPECIAL TOPICS

1-3 semester hours

Advanced study consisting of readings, reports, projects and discussions of contemporary problems and issues of computer science. Prerequisite: Permission of instructor.

481. INTERNSHIP IN COMPUTER SCIENCE

1-3 semester hours

Work experience at an advanced level in some aspect of computer science. Offered on an individual basis when suitable opportunities can be arranged. Prerequisites: CS 331 and permission of instructor.

491. INDEPENDENT STUDY

1-3 semester hours

Computer Information Systems Requirements (IS). A major in Computer Information Systems requires Information Systems 116, 130, 135, 225, 235, 326, 330, 336, 461 and six semester hours of 300-400 level Computer Science (CS) and/or Computer Information Systems (IS) courses other than Computer Science 361 and 481, and Computer Information Systems 481—at least three of which must be at the 400 level. Additional courses required are Accounting 201, 202 or 212, Economics 201 and 246, either English 313 or Business Administration 302, either

ness Administration 302, either Mathematics 121 or 165 and 241 and one course from Business Administration 343, 360, 414, 426, Economics 347.

A minor in Computer Information Systems requires Information Systems 116, 130, 135, 225 and six semester hours chosen from IS 235 and 300-400 level Computer Information Systems (IS) courses other than Computer Information Systems 481.

116. MICROCOMPUTER APPLICATIONS

3 semester hours

Microcomputer hardware and software applications from the perspective of the individual user as well as consideration of their integration into the organization as a whole. Includes work with word processors, spreadsheets, database management systems, graphics and accounting packages.

130. COMPUTATIONAL PROGRAMMING

4 semester hours

An introduction to programming and problem solving using a higher level computer language (Pascal). Emphasis on applications from disciplines which have a quantitative orientation. A weekly group lab experience will be incorporated into the course. Prerequisite: MTH 111 or its exemption. (IS 130 is the same as CS 130.)

135. PROGRAMMING AND ALGORITHM DEVELOPMENT

3 semester hours

Algorithm development and analysis. Program correctness, recursion and elementary data structures. Emphasis on modularization and program structure using Pascal. Prerequisite: CS/IS 130. Corequisite: MTH 241. (IS 135 is the same as CS 135.)

171. SPECIAL TOPICS

1-3 semester hours

Study of microcomputers and specialized pieces of software. Software selection varies and is chosen from spreadsheets, database management and other introductory software packages. Prerequisite may be specified for certain software packages.

225. COBOL FROM AN ADVANCED PERSPECTIVE

3 semester hours

A thorough introduction to COBOL for programmers with a background in another higher level language. Prerequisite: CS/IS 130.

235. SOFTWARE METHODOLOGY

3 semester hours

Data abstraction and information hiding. Object oriented design. Packages, generic program units, tasks and exception handling. The language Ada will be used. Prerequisite: CS/IS 135. (IS 235 is the same as CS 235.)

326. FILE PROCESSING

3 semester hours

Concepts and techniques of structuring data on mass storage devices. Sort/merge/search algorithms for sequential and direct access files. Techniques for updating, deleting and inserting records. Prerequisite: CS/IS 235. (IS 326 is the same as CS 326.)

330. SYSTEMS ANALYSIS AND DESIGN

3 semester hours

An in-depth study of standard techniques used for the analysis and design of information systems. Emphasis will be placed on effective written and oral communication. Prerequisite: IS 225 or CS/IS 235.

336. DESIGN OF DATA BASE MANAGEMENT SYSTEMS

3 semester hours

Introduction to data base concepts and design techniques. Network, relational and hierarchical data models. Normalized forms of data relations. Query facilities. Prerequisite: CS/IS 326. (IS 336 is the same as CS 336.)

454. DECISION SUPPORT AND EXPERT SYSTEMS

3 semester hours

Utilization of high level software to support the decision-making process. Development of simulation models. Building, applying and modifying expert systems. Prerequisites: Familiarity with spreadsheets, MTH 241 (or permission of instructor), and either IS 225 or CS/IS 235.

457. DATA COMMUNICATION AND NETWORKS*3 semester hours*

Factors associated with the distribution of computer processing facilities. Functions and selection criteria for major components of data communications equipment. Prerequisite: IS 225 or CS/IS 235.

461. SENIOR PROJECT*3 semester hours*

Development and implementation of a significant information systems application. Prerequisites: CS/IS 336, IS 330, and either BA 302 or ENG 313.

471. SEMINAR: SPECIAL TOPICS*1-3 semester hours*

Advanced study consisting of readings, reports, projects and discussions of contemporary problems and issues of computer information systems. Prerequisite: Permission of instructor.

481. INTERNSHIP IN INFORMATION SYSTEMS*1-3 semester hours*

Work experience at an advanced level in some aspect of computer information systems. Offered on an individual basis when suitable opportunities can be arranged. Prerequisites: CS/IS 326 and permission of instructor.

491. INDEPENDENT STUDY*1-3 semester hours*

Cooperative Education

Director of Career Planning: Assistant Professor R. Highsmith

Director of Experiential Education: Assistant Professor P. Brumbaugh

Director of Placement: Assistant Professor K. Thompson

Career Planning and Placement offers courses designed to acquaint Elon students with the career decision-making process, to assist them in career exploration, and to prepare them for the job search.

110. CHOOSING A MAJOR*1 semester hour*

Assists undeclared or undecided (pre-major) students in choosing an appropriate college major. Topics covered in these group career counseling sessions include: career decision-making skills, personal values and needs, interest and skill assessments, senior student panel discussions, and career exploratory interviews. Recommended for freshmen and sophomores.

310. SECURING A JOB*1 semester hour*

Helps students prepare for internships, co-ops, summer jobs and permanent employment. Develop strategies for achieving career goals, investigate critical issues in the workplace, develop a resume, establish job contacts and learn how to interview effectively. Required of co-op students and recommended for sophomores, juniors, and seniors.

The Cooperative Education Work Experience Program. Enables qualified students to combine classroom theory with professional work experience while completing their degrees. The student may work full-time or part-time with an employer selected and/or approved by the College. Credit hours are based on the number of hours worked during the term—a maximum of 15 semester hours of internship/cooperative education credits may be applied to the 126 semester hours required for the A.B. and B.S. degrees. Evaluation is based on job performance and reflection on that performance through papers, journals, seminars, class presentations and readings. Contact the Director of Experiential Education for more information.

Eligibility Requirements. Junior or Senior standing (Sophomores with special permission), 2.5 minimum GPA, approval of Faculty/Experiential Education Director, COE 310 class required.

381-386. CO-OP WORK EXPERIENCE*1-15 semester hours*

This series of courses provides careful monitoring of students in either a part- or full-time work experience. The students learn by applying classroom theory in a job related to the major/minor career objectives. Prerequisite: Full admission to the Co-op program.

Dance

Chair, Department of Fine Arts:

Professor Myers

Assistant Professor: Wellford

Part-time Instructor: Howard

A minor in Dance requires 18 semester hours distributed as follows: three courses from Dance 103, 104, 112, 113, 114; two courses selected from Dance 201, 202, 203; two semesters of Dance 204; two courses selected from Dance 366, 367, or HPEL 365; plus three semester hours of additional dance courses at 200 level or above.

103. INTRODUCTION TO DANCE*3 semester hours*

Study and participation in a wide variety of dance styles including folk, square, social, disco, aerobics, modern, ballet, tap, jazz and musical comedy.

104. MODERN DANCE I*1 semester hour*

Study and participation in modern dance techniques and styles as well as a study of the history and choreography of modern dance personalities.

105. TAP I*1 semester hour*

This course focuses upon the basic techniques of tap dancing. Students will be expected to achieve a predetermined level of competency in order to pass the course. This course is required of all Music Theatre majors.

112. BALLET I*1 semester hour*

Study and participation in classical ballet techniques.

113. JAZZ DANCE I*1 semester hour*

Exploration of the various jazz dance techniques.

114. DANCE IMPROVISATION*1 semester hour*

The study of both spontaneous and learned movements, individual and group movement exercise include how poetry, the senses, music, visual art and everyday gestures stimulate and influence dance.

201. MODERN DANCE II*1 semester hour*

Participation and comparison of modern dance techniques on the intermediate level. Prerequisite: DAN 104 or permission of instructor.

202. BALLET II*1 semester hour*

Participation in intermediate-level ballet exercises combinations and study. Prerequisite: DAN 112 or permission of instructor.

203. JAZZ DANCE II*1 semester hour*

Exploration of the various jazz techniques at the intermediate level, in-depth study of the choreographic process and study of persons and events which have shaped the history of jazz dance. Prerequisite: DAN 113 or permission of instructor.

204. DANCE ENSEMBLE*1 semester hour*

A performing group available to members of the dance company and to students interested in any phase of dance production. Membership in the company is open to all students by auditions which are held prior to each semester. Students must also be enrolled in a technique class of choice.

366. CHOREOGRAPHY*3 semester hours*

Introduces students to the art of composition of dance for solo and groups through utilization of craft, time, space, shape, dynamics and design. Prerequisites: DAN 201, 202, 203, or permission of instructor.

367. HISTORY OF DANCE*3 semester hours*

A study of the history and philosophy of

dance from its primitive beginnings up to the present with emphasis on the areas of ballet, modern, tap, jazz, musical, comedy, religious and social dance.

Drama

The Drama program is listed under Theatre.

Economics

The Martha and Spencer Love School of Business

Dean of Love School of Business:
Associate Professor Guffey
Chair, Department of Economics:
Associate Professor Barbour
Professor: Tiemann
Associate Professor: Baxter
Assistant Professors: Larson, Hart, Flynn, Lilly, Holt

A major in Economics requires Economics 201, 246, 310, 311, 411, and 15 additional hours of Economics; Mathematics 165 or 121; Accounting 201; Information Systems 116 or 130.

A minor in Economics requires Economics 201, 301 or 311, 310, one additional Economics course, and a course in Statistics (Economics 246, Mathematics 265, or Social Science 285).

201. PRINCIPLES OF ECONOMICS

4 semester hours

The principles of macroeconomics and microeconomics. Supply and demand; macroeconomic equilibrium; unemployment and inflation; consumer theory; theory of the firm; general equilibrium; economic methodology. Prerequisite: MTH 111 or higher.

246. STATISTICS FOR ECONOMICS AND BUSINESS

4 semester hours

Collection, presentation, analysis and inter-

pretation of statistical data. Descriptive tools for frequency distributions, central tendency and dispersion. Sampling theory and sampling distributions. Techniques for statistical inference include estimation and hypothesis testing for one and two samples, quality control, and linear regression, method of least squares. Prerequisite: MTH 165 or 121. Credit will not be given for both MTH 265 and ECO 246.

271. SEMINAR: ECONOMIC ISSUES

2-4 semester hours

301. BUSINESS ECONOMICS

4 semester hours

Application of economic theory and methodology to the problems facing a business. Input and output decisions; forecasting; cost analysis; pricing. Prerequisite: Admission to Love School of Business.

310. INTERMEDIATE MACROECONOMIC THEORY

4 semester hours

National income accounting, business cycles, economic growth, forecasting, and economic stabilization. Prerequisites: ECO 201; MTH 121 or 165.

311. INTERMEDIATE MICROECONOMIC THEORY

4 semester hours

Intermediate price theory, market structure, and distribution theory. Prerequisites: ECO 201; MTH 121 or 165.

312. COMPARATIVE ECONOMIC SYSTEMS

4 semester hours

Study of capitalism, Marxian theory, and theoretical socialism. Prerequisite: ECO 201.

313. LABOR ECONOMICS

4 semester hours

Study of the historical development, structure, government, and specific problems of the trade union movement. Emphasis is placed on collective bargaining, the economics of the labor market, minimum wages, maximum hours, and governmental security programs and labor law. Prerequisite: ECO 201.

315. U.S. ECONOMIC HISTORY

4 semester hours

Description and analysis of the growth and development of the U.S. economy and its institutions from Colonial times to the 20th

century. Emphasis on the "new" economic history: explicit economic models and quantitative methods to analyze historical phenomena, including slavery and the South, the industrial economy and its labor force, the transportation revolutions, and government's role in economic change. Prerequisite: ECO 201.

317. THE ECONOMICS OF WOMEN

4 semester hours

Topics covered include: economic theories of discrimination; economic problems faced by women in such areas as earnings, occupations, unemployment and household production; the feminization of poverty; comparative analysis of women's economic status in developed and developing countries; past and future policy implications.

331. MONEY AND BANKING

4 semester hours

Study of history, structure, functions, and operations of our commercial and central banking system. Emphasis is placed on monetary theory, monetary policy, and the mechanism of international payments. Prerequisite: ECO 201.

332. PUBLIC FINANCE

4 semester hours

A positive and normative approach to the role of government in the economy. Public expenditures are discussed in light of pure theory, the theory of social choice, and practical application. Prerequisite: ECO 201.

341. ECONOMIC REGULATION

4 semester hours

Study of the economic regulation of American business. Both the economic rationale and the basic laws concerning antitrust regulation, public utility regulation, and social regulation of business will be discussed. Prerequisites: ECO 301 or 311.

347. STATISTICAL ANALYSIS

4 semester hours

Applications of statistical techniques of analysis of variance and covariance, chi-square, simple and multiple correlation and regression, interpretation of standard designs used in scientific research; Non-parametric tests; Time Series Analysis; Decision Theory. Prerequisite: ECO 246 or MTH 265.

365. ECONOMICS APPLICATIONS

3 semester hours

Applications of Economics to various business and public policy situations. Topics will vary from year to year. Prerequisites: ECO 301, ECO 310, or ECO 311. Winter term only.

366. FIELD ECONOMICS

3 semester hours

Travel course. Observation of economic policy making both domestically and abroad. Topics will vary from year to year. Prerequisites: ECO 301, 310, or 311. Winter term only.

411. DEVELOPMENT OF ECONOMIC THOUGHT

4 semester hours

Development of economic thought from antiquity to the present. Identification of various schools of economic thought and critical evaluation of content. Prerequisite: ECO 201. Spring semester-only.

412. INTERNATIONAL TRADE AND FINANCE

4 semester hours

A study of fundamental principles of international economic relations. Subjects include: the economic basis for international specialization and trade; economic gains from trade; balance of international payments; problems of international finance; and international investments. Prerequisite: ECO 201.

471. SEMINAR: SPECIAL TOPICS

4 semester hours

481. INTERNSHIP IN ECONOMICS

1-3 semester hours

A maximum of three semester hours are applicable to a major or minor in Economics.

491. INDEPENDENT STUDY

1-4 semester hours

Education

Chair, Department of Education:
Professor Dillshaw

Professors: J. Williams, Simon, Hooks

Associate Professors: Hemphill, Speas, Wooten

Assistant Professors: Maness, Beamon

Elon College offers programs at the undergraduate level leading to North Carolina Certification in Elementary Education; Middle Grades Education; special subjects area for grades K-12, and in seven areas at the secondary level. The goal of the undergraduate program in Education is to foster in the student:

- the knowledge of the purposes of education and the role of the school in our democratic society,
- the understanding of the role of the teacher as decision-maker,
- the knowledge and skills required for developing competence in the various teacher roles as a decision-maker,
- a belief in the dignity and worth of each individual,
- the knowledge of the process of human growth and development,
- the knowledge of planning for instruction utilizing various teaching methodologies, materials, and organizational patterns,
- knowledge of the subject matter in school curriculum,
- competence in evaluating student learning,
- the knowledge and skills necessary to maintain a classroom environment that facilitates learning,
- the knowledge and skills necessary to accommodate the learning needs of exceptional children and youth,
- the knowledge and skills necessary to work effectively with culturally diverse students, and
- a desire for professional affiliation, lifelong learning, and continuing professional growth and development.

The student who successfully completes any of the teacher education programs at Elon College will be

eligible for certification to teach in North Carolina. The state of North Carolina is party to the Interstate Certification Compact which qualifies Elon College graduates also to be certified in all states party to this Compact.

Currently, there are 31 states who have entered into this reciprocity agreement. Any student planning to teach in a state not a part of the Interstate Certification Compact should obtain a copy of the certification requirements for a public school teacher from the State Superintendent of Education in the state in which the student plans to teach.

Before being admitted into the Teacher Education Program, the student must make application to the program, be recommended by the appropriate major department, be interviewed and approved by the Teacher Education Committee, meet the minimum score requirements on the tests of General Knowledge and Communication Skills of the National Teacher's Examination.* The State of North Carolina requires the following minimum scores: GK-645, CS-646, and a GPA of 2.5 for all course work completed at the time of admission. After admission, failure to maintain a minimum GPA of 2.5 will result in dismissal from the program. In all cases, approval for admission to the program is subject to the discretion of the Teacher Education Committee which bases its decision upon the above factors and the following: satisfactory command of standard English usage (written and oral) and mental, physical, moral, and emotional acceptability for teaching. The Teacher Education Committee may, at its discretion, dismiss a student from the Teacher Education Program.

Application forms for the Teacher Education Program are available in the office of the Department of Education and must be filed by September 15 or February 15 of the semester immediately prior to the beginning of the student's junior year. A student must be unconditionally admitted to the program before being permitted to take education courses beyond the 200 level.

In order to exit from the program and be recommended for teacher certification a student must meet all academic requirements and have a GPA minimum of 2.5. A student must also meet the minimum score on the test of Professional Knowledge (the State of North Carolina requires a minimum score of 646) and the Specialty Area test (minimum scores for this test vary with the content area) and have a recommendation from the school system in which student teaching was completed.

All students who are education majors or who already hold a Bachelor's degree and are seeking certification only are subject to the decisions and regulations of the North Carolina State Board of Education. These decisions and regulations are binding on the student on the date and time specified by the State Board of Education.

**All students planning to teach in a state other than North Carolina must contact the appropriate state Department of Public Instruction and secure its standards for scores on the NTE.*

Requirements for the Elementary Education Major (K-6). A major in Elementary Education consists of courses necessary to meet requirements for certification in Elementary Education in the public schools of North Carolina.

A major in Elementary Education requires Art 368; Computer Science 220; Economics 201 or 211; Education 211, 281 (one semester hour), 321, 361, 363, 431, 465, 467, 474, 480, 481; select one of English 201, 202, 203, 204; English 215 or Communications 210; English 301; Fine Arts 211, 368; Geography 131; History 112, 211 or 212, 346; HPEL 362; Mathematics 261, 262; Music 368; Political Science 131; Psychology 233, 321; select one of Chemistry 101, 111, Physics 101, 111; Physics 102 or 103; Biology 111 or 121; and Sociology 111.

Requirements for the Middle Grades Education Major. A major in Middle Grades Education consists of the courses necessary to meet the requirements for Middle Grades (grades 6-9) certification in the public schools of North Carolina. Core Courses (required of all Middle Grade Education majors): Computer Science 220; Economics 201; Education 211, 281 (one semester hour), 322, 432, 441, 480, 481; Fine Arts 211; History 112, 211 or 212; HPEL 120; Psychology 233, 321; and Sociology 111.

In addition to the Core Courses, a student majoring in Middle Grades Education must select two subject area concentrations.

Concentrations in Communication Skills. Journalism/Communications 210; Education 362, 474; English 204, 215, 301; select two of the following: English 203, 281 321, 334, Theatre 101.

Concentration in Social Studies. Education 364; Geography 131; History 111, 112, 211, 212, 321, 346; three semester hours in non-western history or culture; Psychology 332; and Political Science 131.

history or culture; Psychology 332; and Political Science 131.

Concentration in Mathematics. Education 466; Mathematics 112, 121, 221, 241, 262, 265; and Psychology 332.

Concentration in Physical Education. Education 423; HPEL 211, 220 or 221, 263, 310, 363, 365, 410; and Psychology 332.

Concentration in Science. Education 468; Psychology 332; Biology 111, 113, 121; Chemistry 101 or 102 or Chemistry 111 and 113; Physics 103 and 104; Physics 101 and 107 or Physics 111 and 115, and Physics 102 and 108.

Requirements for Secondary Education Certification. The student planning to teach at the high school level completes a major in a discipline and the necessary Education and Psychology courses for teacher certification at the secondary level (grades 9-12).

The student must complete one of the following major areas: Biology, Chemistry, Comprehensive Science Certification, English, History, Mathematics, or Social Sciences.

Specific requirements for each major are listed with the appropriate department in this catalog. In addition, the following Professional Education courses must be completed satisfactorily: Education 211, 281, 322, 415, 432, the appropriate subject area methods and materials course (chosen from Education 421-427) 480, 481; Psychology 233, 321, 332, and Computer Science 220.

Requirements for Certification in Special Subject Areas (K-12). Majors in Special Subject Areas (grades K-12) are Health Education, Music Education, and Physical Education. Specific requirements for these majors are listed with the appropriate

department in this catalog. In addition, the following Professional Education courses must be completed satisfactorily: Education 211, 281, 322, 415, 432; the appropriate subject area methods and materials course (chosen from Education 423, 427, Music 461), Education 480, 481; Psychology 233, 321, 332; and Computer Science 220 (CS 220 and PSY 332 are not required for Physical Education majors.)

211. INTRODUCTION TO EDUCATION

2 semester hours

A study of the teaching profession: teacher certification procedures, the organization of schools, curriculum models, and current trends and issues.

281. INITIAL PRACTICUM FOR EDUCATION

1-3 semester hours

The major thrust of this experience is observation and assistance to the student as he/she moves toward the role of teacher. This ordinarily occurs during the student's sophomore year.

321. READING IN THE ELEMENTARY SCHOOL

3 semester hours

A study of the fundamental processes by which a child learns to read, with attention to readiness factors, vocabulary development, word attack, and comprehension skills. Public school field experience required. Prerequisite: EDU 211.

322. READING IN THE CONTENT AREAS (Middle Grades and Secondary Grades)

2 semester hours

A study of the reading process and reading problems of students above the primary level. Study includes the reading process, diagnosis of reading difficulties, remedial techniques, standardized tests, vocabulary building. Public school field experience required. Prerequisite: EDU 211.

361. COMMUNICATION SKILLS METHODS AND MATERIALS FOR ELEMENTARY TEACHERS

4 semester hours

This course enables students to investigate, evaluate and select content, methods, and

tunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281; PSY 233, 321.

362. COMMUNICATION SKILLS METHODS AND MATERIALS FOR MIDDLE GRADES TEACHERS

4 semester hours

This course enables students to investigate, evaluate and select content, methods, and materials used in the organization and teaching of communication skills in the middle school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281; PSY 233, 321.

363. SOCIAL STUDIES METHODS AND MATERIALS FOR ELEMENTARY TEACHERS

4 semester hours

This course enables students to investigate, evaluate and select content, methods, and materials used in the organization and teaching of social studies in the elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281; PSY 233, 321.

364. SOCIAL STUDIES METHODS AND MATERIALS FOR MIDDLE GRADES TEACHERS

4 semester hours

This course enables students to investigate, evaluate and select content, methods, and materials used in the organization and teaching of social studies in the middle school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisite: EDU 211, 281; PSY 233, 321.

415. MATERIALS AND METHODS OF HIGH SCHOOL TEACHING

2 semester hours

Study of the general methods, techniques and practices applied in the secondary school. Open only to seniors. Taught in conjunction with Education 421-427; the courses in materials and methods of each subject-matter concentration listed below. Prerequisite: EDU 211. Fall semester only.

421. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL ENGLISH

3 semester hours

A study of the content and organization of the English curriculum; emphasis upon the methods and materials used in teaching reading, literature, grammar, oral and written expression. Public school classroom observation required. Prerequisite: EDU 211. Fall semester only.

422. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL MATHEMATICS

3 semester hours

A study of the objectives and content of the mathematics curriculum, and the materials, techniques, tests and methods of evaluation used in the teaching of mathematics. Prerequisite: EDU 211. Fall semester only.

423. MATERIALS AND METHODS OF TEACHING PHYSICAL EDUCATION

3 semester hours

Methods, materials, and techniques of teaching skills in the school, physical education curriculum; organization and planning of the total curriculum as well as daily programs; laboratory experiences in observing and conducting activity classes. Prerequisite: EDU 211. Fall semester only.

424. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SCIENCE

3 semester hours

The role of science in the secondary school curriculum. Current trends and methods used in teaching the Natural Sciences. Emphasis on Biology or Chemistry, depending upon the prospective teacher's major discipline. Prerequisite: EDU 211. Fall semester only.

425. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SOCIAL STUDIES

3 semester hours

A study of the materials and methods of teaching social studies. Emphasis upon planning, organization, objectives, and evaluation. Required classroom observation. Prerequisite: EDU 211. Fall semester only.

427. MATERIALS AND METHODS OF HEALTH AND SAFETY

3 semester hours

Designed to develop awareness of the program in all levels of school (K-12). Emphasis is on methods of curriculum planning, analyzing, and developing content area unit plans and teaching approaches. Prerequisite: EDU 211. Fall semester only.

431. FOUNDATIONS OF EDUCATION FOR K-6

3 semester hours

The historical development and philosophical bases for public education in America; the elementary and intermediate schools' role and influence in society; the K-4 and 4-6 teachers' role as it has emerged from the philosophies, practices, and policies of public education. Prerequisite: EDU 211.

432. FOUNDATIONS OF EDUCATION FOR 6-9, 9-12, AND SPECIAL SUBJECT AREAS

3 semester hours

The historical development and philosophical bases of public education in America; the middle and secondary schools' role and influence in society; the 6-9, 9-12 and special subject teacher's role as it has emerged from the philosophies, practices, and policies of public education. Prerequisite: EDU 211.

441. CURRICULUM AND INSTRUCTION IN THE MIDDLE GRADES

3 semester hours

A study of historical and contemporary curricula and instruction in the middle and junior high schools. Emphasis is on the special curricular and instructional needs of the pre- and early adolescent. Various types of programs and instruction designed to teach the 11-14 year old academic and personal skills and concepts are explored. Offered in fall semester of even years only. Prerequisite: EDU 211.

461. SEMINAR IN CLASSROOM ENVIRONMENT

3 semester hours

A study of general methods, techniques and practices characteristic of positive approaches to classroom teaching. Attention is focused on various research in the areas of student motivation, student-teacher interaction, counseling, discipline and general classroom atmosphere. Prerequisite: EDU 211.

465. MATHEMATICS METHODS AND MATERIALS FOR ELEMENTARY TEACHERS

4 semester hours

This course enables students to investigate, evaluate and select content, methods, and materials used in the organization and teaching of mathematics in the elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281, 361, 363, 381, 382; PSY 233, 321.

466. MATHEMATICS METHODS AND MATERIALS FOR MIDDLE GRADES TEACHERS

4 semester hours

This course enables students to investigate, evaluate and select content, methods, and materials used in the organization and teaching of mathematics in the middle school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281; PSY 233, 321.

467. SCIENCE METHODS AND MATERIALS FOR ELEMENTARY TEACHERS

4 semester hours

This course enables students to investigate, evaluate and select content, methods, and materials used in the organization and teaching of science in the elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281, 361, 363, 381, and 382; PSY 233, 321.

468. SCIENCE METHODS AND MATERIALS FOR MIDDLE GRADES TEACHERS

4 semester hours

This course enables students to investigate, evaluate and select content, methods, and materials used in the organization and teaching of science in the middle school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281; PSY 233, 321.

480. SEMINAR FOR STUDENT TEACHERS

2 semester hours

The scope of this seminar includes new information regarding the management of student behavior, school law, the teacher as decision-maker, teacher evaluation and certification, and the creation of professional development plans.

481. SUPERVISED OBSERVATION AND STUDENT TEACHING*10 semester hours*

Provides the student with experience in the classroom on a full-time basis for a period of one semester, with periodic conferences with the college supervisor(s) and the classroom cooperating teacher(s). The student becomes acquainted with the duties and observes the methods and activities of an experienced teacher, with gradual induction into full-time teaching responsibilities. Included in this experience is the corequisite, EDU 480, seminar for student teachers. Prerequisites: EDU 211, 431 or 432, and appropriate methods course(s).

491. INDEPENDENT STUDY*1-3 semester hours**English*

Chair, Department of English: Associate Professor Haskell

Professors: Blake, Bland, Gill, Anyal, Smith

Associate Professors: J. Berry, Lyday-Lee, Mackay

Assistant Professors: Butler, Schwind, Herold, Cassebaum, Gordon, Boyd, Braye, Warman, Boyle, Chapman, R. House

A major in English requires 39 semester hours selected from the following groups of English courses:

- I. Language (310-319; 410-419)
three semester hours
- II. Historical Studies (320-329;
420-429)
nine semester hours
- III. Contemporary Studies (330-339; 430-439)
six semester hours
- IV. Major Authors (340-349;
440-449)
three semester hours

- V. Genres (350-359; 450-459)
three semester hours
- VI. Senior Seminar—English 495
three semester hours
- VII. English Electives (200 level or above; at least two classes must be at the 300-400 level)
12 semester hours. One English course in addition to the Senior Seminar must be at the 400 level.

Students majoring in English for teacher certification are required to take English 200; three classes from 201, 202, 203, or 204; 215 281, 311, 312, 321, one class from Contemporary Studies (Group III), one class from Major Authors (Group IV), one class from Genres (Group V), six hours of additional English electives at the 300-400 level, Communications 210, and the required professional education courses. One English course must be at the 400 level. English 314 is strongly recommended.

A minor in English requires 18 semester hours of English courses beyond English 111 and 112, at least nine semester hours of which must be 300-400 level courses.

The English Department is inclusive in its course offerings and content of courses in literature. Wherever appropriate, faculty members include works by and about women, minorities, and ethnic groups.

100. BASIC WRITING SKILLS*3 semester hours*

A writing course with lab designed to ensure the student's ability to develop and organize ideas and to write in a correct, readable style. Required of all entering freshmen and transfer students except those who can demonstrate writing competence. This course does not satisfy a general studies requirement or the requirement for the English major/minor. A

minimum final grade of "C" is the prerequisite for registration for English 111. Not open to students with prior credit for English 111 except with special permission.

106. ANALYTICAL READING

3 semester hours

A course designed to improve the student's ability to analyze, comprehend, and retain college level reading material. This course does not satisfy a general studies requirement or the requirements for the English major/minor.

111. FRESHMAN ENGLISH I

3 semester hours

Writing sequences with practical application of specific strategies for invention, drafting, frequent revision, peer review, and editing. A final grade of "C" is prerequisite for registration for English 112.

112. FRESHMAN ENGLISH II

3 semester hours

A study of argumentation, involving development of the ability to think and write critically as students research, analyze, write, and deliberate about issues significant to our civilization. A final grade of "C" is required for graduation. Prerequisite: ENG 111.

170-179. SPECIAL TOPICS

3 semester hours

Studies of special topics or types of literature, open to students who have not completed English 112.

200. INTERPRETATIONS OF LITERATURE

3 semester hours

A course employing different critical approaches to interpret and evaluate poetry, drama, and fiction from a variety of cultures. Prerequisites: ENG 111, 112.

201. ENGLISH LITERATURE I

3 semester hours

A survey of English literature from Beowulf to the end of the 18th century in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

202. ENGLISH LITERATURE II

3 semester hours

A survey of English literature from the beginning of the 19th century to the present in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

203. AMERICAN LITERATURE I

3 semester hours

A survey of American literature from the Colonial Period to 1860 in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

204. AMERICAN LITERATURE II

3 semester hours

A survey of American literature from 1860 to the present in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

213. INTRODUCTION TO CREATIVE WRITING

3 semester hours

Experience in writing poetry, fiction and drama. There may be texts assigned for discussion of techniques and/or form. Prerequisite: ENG 111.

215. FUNDAMENTALS OF GRAMMAR

3 semester hours

A study of the traditional description of the English language including terminology, parts of speech, grammatical structures, and correct usage of the level of standard written English. Prerequisites: ENG 111, 112.

251. ENGLISH STUDIES IN BRITAIN

3 semester hours

A study-tour based in London with emphasis on the theater and places of literary and cultural importance. Excursions to such places as Stratford-upon-Avon, Stonehenge, and Canterbury. Winter term only. No credit on the English minor.

281. WRITING CENTER WORKSHOP

3 semester hours

This course enhances students' writing ability while they learn to tutor writing. It requires tutoring three hours each week in Elon's Writing Center. Strong writing abilities and interpersonal skills recommended. Prerequisites: ENG 111, 112.

282. PRACTICUM IN ENGLISH

1-3 semester hours

This course provides students the opportunity to observe and record the different types of writing produced in an office or business. Prerequisites: ENG 111, 112, permission of the instructor, and advance arrangement. No credit toward General Studies requirements.

301. CHILDREN'S LITERATURE*3 semester hours*

Children's literature as a basis for the selection and production of reading or story material for children in the elementary grades. Examination of the field of children's literature and folk literature to discover reading which satisfies modern education requirements. No credit on the English major, Journalism or Communication major, or English minor. Prerequisites: ENG 111, 112, EDU 211.

310-319, 410-419. LANGUAGE (Group I)

Studies in the structure and historical development of the English language, language in society, language as an effective means of communication, and current research in language.

311. HISTORY OF THE ENGLISH LANGUAGE*3 semester hours*

A study of the historical development of the English language from its Indo-European origins to the present. Prerequisites: ENG 111, 112.

312. INTRODUCTION TO LINGUISTICS*3 semester hours*

A study of the systems of language, including the phonology, morphology and semantics of the English language. Prerequisites: ENG 111, 112.

313. WRITING FOR THE PROFESSIONS*3 semester hours*

A study of professional writing through problem solving. Prerequisites: ENG 111, 112.

314. INTRODUCTION TO RHETORIC*3 semester hours*

A study of the resources of language as vehicle of communication. The emphasis is on the practical application of these resources to the problems of written communication by the writing of frequent papers. Prerequisites: ENG 111, 112.

320-329; 420-429. HISTORICAL STUDIES (Group II)

Studies of literature in historical, interdisciplinary, and cross-cultural contexts.

321. CLASSICAL LITERATURE*3 semester hours*

A study of classical literature and culture, including Greek and Roman myth, drama, epic, lyrical poetry, and philosophy. Readings include writers such as Homer, Plato, Sophocles, Ovid, and Virgil. Prerequisites: ENG 111, 112.

322. MEDIEVAL LITERATURE*3 semester hours*

A study of major works of British and Continental Medieval literature, exploring such matters as chivalry and romance, the church and the world. Prerequisites: ENG 111, 112.

323. RENAISSANCE LITERATURE*3 semester hours*

A study of selected works of the British and Continental Renaissance, including such influences as the Reformation, scientific discovery, and humanism. Prerequisites: ENG 111, 112.

324. THE ENLIGHTENMENT*3 semester hours*

A study of the great works of British, Continental, and American literature during an age of reason and sensibility marked by industrial, scientific, and political revolutions. Prerequisites: ENG 111, 112.

325. ROMANTICISM*3 semester hours*

A study of great British, Continental and American Romantic literature, examining attitudes toward the self, nature and the supernatural. Prerequisites: ENG 111, 112.

326. THE LATER NINETEENTH CENTURY*3 semester hours*

A study of American, British, and Continental literature against the background of scientific and religious ferment, nationalism, aestheticism, and naturalism. Prerequisites: ENG 111, 112.

327. SEVENTEENTH CENTURY LITERATURE*3 semester hours*

A study of "The Century of Genius," including works by British and Continental authors who ushered in the modern world. Prerequisites: ENG 111, 112.

330-339; 430-439. TWENTIETH CENTURY STUDIES (Group III)

Studies in the literature of the 20th century, organized to represent a historical period, a cultural heritage, or a critical perspective. In addition to the topics listed below, other topics may include Black American Literature, Myth and Fantasy in Modern Fiction, 20th Century Novels by Women.

331. STUDIES IN MODERN LITERATURE

3 semester hours

A study of important literary works and movements of the first half of the 20th century, such as imagism, symbolic realism, psychological realism, experimental fiction, expressionism, the expatriates, and the protest writers of the '30s. Prerequisites: ENG 111, 112.

332. LITERATURE OF THE SOUTH

3 semester hours

A study of Southern literature, its background and themes, with attention given to major 20th century writers. Prerequisites: ENG 111, 112.

333. WOMEN IN LITERATURE: FEMINIST APPROACHES

3 semester hours

A study of modern and traditional works of literature interpreted or reinterpreted from the perspective of feminist literary theories. Prerequisites: ENG 111, 112.

334. STUDIES IN THIRD WORLD AND ETHNIC LITERATURE

3 semester hours

A study of selected literature from ethnic cultures such as American Black, Chicano, Native American, Asian Indian, African, Caribbean, Central and South American. Prerequisites: ENG 111, 112.

335. STUDIES IN CONTEMPORARY LITERATURE

3 semester hours

A study of contemporary literature such as the French anti-novel, absurdist drama, meta-fiction, and "magic realism." Prerequisites: ENG 111, 112.

340-349; 440-449. MAJOR AUTHORS (Group IV)

Studies in the works of individual authors who have captured and continue to hold the imaginations of readers. Dante, Hawthorne, Melville, Hardy, Emily Dickinson, Willa Cather, Hemingway, and Faulkner are typical offerings, in addition to those listed below.

341. CHAUCER

3 semester hours

A study of Chaucer's major works in the context of their medieval intellectual background, including the greater portion of *The Canterbury Tales* and *Troilus and Cressida*. Prerequisites: ENG 111, 112.

342. SHAKESPEARE: THE TRAGEDIES

3 semester hours

A study of representative tragedies within their intellectual, cultural, and theatrical contexts. Prerequisites: ENG 111, 112.

343. SHAKESPEARE: THE COMEDIES

3 semester hours

A study of representative comedies within their intellectual, cultural, and theatrical contexts. Prerequisites: ENG 111, 112.

344. ROBERT FROST

3 semester hours

A study of Frost's poetry, criticism, and masques in the context of New England regionalism and the emergence of Modernism in American letters. Special attention will be paid to Frost's early development as a lyric poet. Prerequisites: ENG 111, 112.

345. JANE AUSTEN

3 semester hours

A study of the life and writings of Austen, with background study of the 18th-19th centuries and the development of the novel. Prerequisites: ENG 111, 112.

347. JOSEPH CONRAD

3 semester hours

A study of the major novels and some shorter works of Joseph Conrad, exploring the dialectical problems raised by Conrad's search for the origins of individual consciousness and his concern with social and historical context. Prerequisites: ENG 111, 112.

350-359; 450-459. GENRES (Group V)

Studies in specific types of literature. Examples are poetry, drama, the novel, the essay, the short story. Courses in genre include "kinds" of literature which cut across the more traditional genre labels.

351. THE NOVEL

3 semester hours

An examination of representative types of novels from different countries and ages. The focus and content of the course will vary. Typical approaches include the American novel, the British novel, the picaresque novel, the Bildungsroman, the political novel. Prerequisites: ENG 111, 112.

352. DRAMA

3 semester hours

An examination of representative plays from different countries and ages. The focus and content of the course will vary. Typical approaches include Classical drama, Realistic drama, Avant Garde drama, American drama, and Expressionism. Prerequisites: ENG 111, 112.

353. POETRY

3 semester hours

A study of the major types of poetry. Prerequisites: ENG 111, 112.

360-389; 460-489. ELECTIVE TOPICS

Studies of various literary and written topics, offered chiefly in the winter term. In addition to the courses listed below, examples are: Literature/Theater in Britain, Literature and Dreams, Faulkner's *The Sound and The Fury*, and Alternate Languages.

362. A STUDY OF FILMS

3 semester hours

A survey of significant world cinema, using films that illustrate differences in national cultures, chief periods and types of film-making, and the achievements in techniques and ideas of the greatest directors. Prerequisites: ENG 111, 112 (ENG 362 is the same as JC 362.)

365. LITERATURE AND THEOLOGY

3 semester hours

A study focusing on relationships between the literary and theological disciplines with special attention to literature illustrative of various approaches to religious questions. Prerequisites: ENG 111, 112 (ENG 365 is the same as REL 365.)

381. ENGLISH INTERNSHIP

3 semester hours

This course provides students the opportunity to apply their writing skills in a business office. Pre/Corequisite: ENG 313. No credit toward General Studies requirements.

491. INDEPENDENT STUDY

1-3 semester hours

495. SENIOR SEMINAR

This course provides a synthesis of studies in the major with additional literary theory. Students participate in assessment of their major work, write an independent literary paper, and conduct a class session on their chosen topic. Required of English majors (except Teacher Certification majors) in the spring semester of their senior year. Prerequisite: English major or permission of instructor.

Fine Arts

Chair, Department of Fine Arts:
Professor Myers

Assistant Professors: Rubeck, Drtina
Part-time Instructor: Hassell

211. INTRODUCTION TO FINE ARTS

3 semester hours

A comparative study of major artistic forms using representative examples of painting, sculpture, architecture, music, dance and drama to aid the student in discovering the world of art, its uses, purposes and aesthetic values.

251. FINE ARTS STUDIES IN ENGLAND

3 semester hours

A study-tour in London with emphasis on theatres, concerts and places of cultural importance. Winter term only.

368. DANCE AND THEATRE IN THE ELEMENTARY SCHOOL*2 semester hours*

The purpose of this course is to provide the Elementary Education major with the basic skills in dance and creative dramatics and the methods of implementing these activities in the classroom. Prerequisite: Elementary Education majors who have successfully completed EDU 211, 281.

Foreign Languages _____

Chair, Department of Foreign Languages: Associate Professor Lunsford
Associate Professors: Rodriguez,

Wilson, Romer

Instructor: Belhassen

Part-time Instructors: Wilkinson, Vitti

A major in French requires a total of 36 hours above the intermediate level: French 321, 322, 331, 332, 341, 342, 361, 362, 401, 432, and 371 and/or 471. One of the following must also be selected: (a) a semester abroad program at the junior level, (b) a summer abroad program, or (c) two additional courses in French at the 300-400 level.

A minor in French requires 18 semester hours of French courses. At least six of the semester hours must be at the 300-400 level.

A major in Spanish requires a total of 36 hours above the intermediate level: Spanish 321, 322, 331, 332, 341, 342, 361, 362, 401, 432, and 371 and/or 471. One of the following must also be selected: (a) a semester abroad program at the junior level, (b) a summer abroad program, or (c) two additional courses in Spanish at the 300-400 level.

A minor in Spanish requires 18 semester hours of Spanish courses. At least six of the semester hours must be at the 300-400 level.

FRENCH 111, 112. ELEMENTARY FRENCH*3 semester hours each semester*

An introductory course which develops language skills by stressing cultural content, conversation, and pronunciation while also giving a basis in French grammar.

FRENCH 211, 212. INTERMEDIATE FRENCH*3 semester hours each semester*

A systematic review of French grammar for students with a minimum of two years of high school French. It includes oral drill, writing, and an emphasis on development of reading skills. Prerequisites: Two years of high school French or FR 111, 112 or equivalent.

FRENCH 321. FRENCH CONVERSATION*3 semester hours*

Intense practice in oral communication in everyday situations. Emphasis on vocabulary building and speaking proficiency. Prerequisite: FR 212 or permission of the instructor.

FRENCH 322. ADVANCED CONVERSATION AND COMPOSITION*3 semester hours*

Intensive practice in oral and written expression. Focus on refinements in structure, conversation and writing for specific purposes. Prerequisite: FR 212 or permission of the instructor.

FRENCH 331. SURVEY OF FRENCH LITERATURE I*3 semester hours*

A chronological study of French literature from its origins in the Middle Ages through the 18th century. Prerequisite: FR 212 or permission of instructor.

FRENCH 332. FRENCH LITERATURE II*3 semester hours*

A chronological survey of the literature of France during the 19th and 20th centuries. Prerequisite: FR 212 or permission of instructor.

FRENCH 341. THE LITERATURE OF THE ENLIGHTENMENT*3 semester hours*

An in-depth study of the major authors/philosophers of 18th century France. Prerequisite: FR 212 or permission of the instructor. FR 331 is recommended but not required.

FRENCH 342. NINETEENTH-CENTURY FRENCH LITERATURE*3 semester hours*

An in-depth study of the major trends and authors of 19th century France in their social, historical, and literary contexts. Prerequisite: FR 212 or permission of the instructor. FR 332 is recommended, but not required.

FRENCH 361. FRENCH CIVILIZATION*3 semester hours*

A chronological study of the history, geography, and people of France, from prehistoric times to the present. Emphasis on France's considerable contributions to Western civilization. Prerequisite: FR 212 or permission of the instructor.

FRENCH 362. FRANCOPHONE CULTURES OUTSIDE FRANCE*3 semester hours*

A study of cultures around the world influenced by France. Prerequisite: FR 212 or permission of instructor.

FRENCH 371. SPECIAL TOPICS*3 semester hours***FRENCH 401. FRENCH PHONETICS***3 semester hours*

A systematic approach to French pronunciation through sound/spelling relationships, exercises in phonetic transcriptions, and sound discrimination. Prerequisite: FR 212 or permission of instructor.

FRENCH 432. FRENCH CLASSICISM*3 semester hours*

A study of the writers of the Classical age: Moliere, Racine, Corneille, la Fontaine, Madame de Lafayette, Descartes, Pascal. Prerequisite: FR 331 or permission of instructor.

FRENCH 471. SEMINAR: SPECIAL TOPICS*3 semester hours***FRENCH 491. INDEPENDENT STUDY***3 semester hours***GERMAN 111, 112. ELEMENTARY GERMAN***3 semester hours each semester*

An introductory course for students who have taken at least two years of a foreign language in high school. It develops language skills by stressing cultural content, conversation, and pronunciation while giving a basis in German grammar.

GERMAN 211, 212. INTERMEDIATE GERMAN*3 semester hours each semester*

A systematic review of German grammar for students with a minimum of two years of high school German. It includes oral drill, writing, and an emphasis on development of reading skills. Prerequisites: Two years of high school German or GER 111, 112 or equivalent.

GREEK 111, 112. ELEMENTARY GREEK*3 semester hours each semester*

Mastery of declensions and conjugations, synopsis of verbs, word analysis, derivation and composition. Offered alternate years.

GREEK 211, 212. INTERMEDIATE NEW TESTAMENT GREEK*3 semester hours each semester*

Intermediate Greek grammar with emphasis on readings in the New Testament. Textual problems and methods of interpretation. Offered alternate years. Prerequisite: GRK 112.

SPANISH 101, 102. FOUNDATION SPANISH*3 semester hours each semester*

An introductory course for students who have not completed two years of one foreign language in high school. This course focuses on the structure of the Spanish language and on practical conversation in a cultural setting. Courses do not satisfy General Studies requirements.

SPANISH 111, 112. ELEMENTARY SPANISH*3 semester hours each semester*

An introductory course which develops language skills by stressing cultural content, conversation, and pronunciation while also giving a basis in Spanish grammar.

SPANISH 211, 212. INTERMEDIATE SPANISH*3 semester hours*

A systematic review of Spanish grammar for students with a minimum of two years of high school Spanish. It includes oral drill, writing, and an emphasis on development of reading skills. Prerequisites: Two years of high school Spanish or SPN 111, 112 or equivalent.

SPANISH 321. SPANISH CONVERSATION*3 semester hours*

Intense practice in oral communication in everyday situations. Emphasis on vocabulary building and speaking proficiency. Prerequisite: SPN 212 or permission of instructor.

SPANISH 322. ADVANCED CONVERSATION AND COMPOSITION

3 semester hours

Intensive practice in oral and written expression. Focus on refinements in structure, conversation, and writing for specific purposes. Prerequisite: SPN 212 or permission of the instructor.

SPANISH 331. SPANISH LITERATURE I

3 semester hours

A chronological survey of the development of the literature of Spain, from its beginning in the Middle Ages through the Renaissance and the Golden Age. Prerequisite: SPN 212 or permission of instructor.

SPANISH 332. SPANISH LITERATURE II

3 semester hours

A chronological survey of the literature of Spain during the 18th-20th centuries. Prerequisite: SPN 212 or permission of instructor.

SPANISH 341. LATIN-AMERICAN LITERATURE I

3 semester hours

The development of Spanish-language literature in Latin America beginning with Spanish conquest of the New World and continuing through the realism and naturalism movements of the 19th century. Special attention is given to the gaucho literature of Argentina. Prerequisite: SPN 212 or permission of instructor.

SPANISH 342. LATIN-AMERICAN LITERATURE II

3 semester hours

A chronological survey of 20th century literature in Latin America, beginning with the turn-of-the century Modernist movement. Prerequisite: SPN 212 or permission of instructor.

SPANISH 361. SPANISH CIVILIZATION

3 semester hours

A chronological study of the history, geography, and people of Spain, from prehistoric times to the present. Emphasis on Spain's considerable contributions to Western civilization. Prerequisite: SPN 212 or permission of instructor.

SPANISH 362. LATIN AMERICAN CIVILIZATION

3 semester hours

This course will examine the Latin American continent from the aspects of geography, history, art and architecture, music, government, economy, ethnicity, languages and

culture. It will include a study of each individual country. Prerequisite: SPN 212 or permission of instructor.

SPANISH 371. SPECIAL TOPICS

3 semester hours

SPANISH 401. SPANISH PHONETICS

3 semester hours

A systematic approach to Spanish pronunciation through sound/spelling relationships, exercises in phonetic transcriptions, and sound discrimination. Prerequisite: SPN 212 or permission of instructor.

SPANISH 432. GOLDEN AGE LITERATURE

3 semester hours

This course will be an in-depth study of Spain's "Golden Age," which spans the 16th and 17th centuries when Spain's literary and artistic achievements reached their greatest heights at a time when Spain was on the decline as a political and economic power. Prerequisite: SPN 331 or permission of the instructor.

SPANISH 471. SEMINAR: SPECIAL TOPICS

3 semester hours

SPANISH 491. INDEPENDENT STUDY

1-3 semester hours

Geography

Assistant Professor: Cates

A minor in Geography requires Geography 121, 131, and 12 additional hours chosen from Geography, Biology 301, and Physics 103.

121. PHYSICAL GEOGRAPHY

3 semester hours

A study of man's natural environment. Elements studied are weather and climate, water bodies, soils, natural vegetation, wildlife and landforms. Emphasis on interrelations among these environmental elements, their worldwide patterns, man's adaptations to them and impact on them.

131. WORLD REGIONAL GEOGRAPHY

3 semester hours

A study of the natural environment and hu-

man characteristics of the world's major regions. Emphasis on distinguishing characteristics and major problems of each region.

311. GEOGRAPHY OF THE UNITED STATES AND CANADA

3 semester hours

A study of Anglo-America's natural environment, population, and human activities. A description of continental patterns is followed by concentration on the subregions. Offered alternate years.

321. GEOGRAPHY OF EUROPE

3 semester hours

A study of the environmental and human characteristics of Europe. Continent-wide patterns are studied as well as the subregions and countries which make up Europe. Offered alternate years.

331. GEOGRAPHY OF NORTH CAROLINA

3 semester hours

North Carolina's natural environment, population, political organization, and economy. Statewide patterns and trends are used to define regions of the state.

491. INDEPENDENT STUDY

1-3 semester hours

Health, Physical Education and Leisure/Sports Management —

Chair, Department of Health, Physical Education and Leisure/Sports Management: Professor Brown

Professor: A. White

Associate Professors: Parham, Beedle, Calhoun, Drummond

Assistant Professors: Morningstar, Baker, Burton, Myers, Brewer, Hart, Leonard, Wellford, Harden, Waters

Instructors: Hicks, Worst, Patterson

Physical Education Major. A major in Physical Education requires: HPEL 161, 162, 211, 220 (students with minor in Athletic Training or Coaching may substitute 221), 263,

310, 321; one course from HPEL 342, 343, 344, 345; HPEL 360, 363, 365, 410, 411, 422, 423, BIO 161, 162. Students desiring teacher certification should also take the requirements listed under Education Requirements for Special Subject areas. (PSY 332 and CS 220 are not required.)

Health Education endorsement for persons with Physical Education certification requires Education 427 and 15 additional hours chosen from the required Health Education courses.

A minor in Physical Education requires HPEL 162, 211, 221, 263, 360 or 365, 410, 411.

A minor in Physical Education with a coaching concentration requires HPEL 211, 221, 310, 410; two courses from HPEL 342, 343, 344, 345, 347; and HPEL 461 (Seminar in Athletic Coaching—three semester hours).

Health Education Major. A major in Health Education requires HPEL 120, 160, 211, 220 or 221, 322, 323, 410, 411, 412; Biology 161, 162; Psychology 313, 332, 333, and Education 427. Students desiring teacher certification should also take the requirements listed under Education Requirements for Special Subjects areas.

Physical Education endorsement for the Health Education major requires Education 423 and 15 additional hours chosen from the required Physical Education certification courses.

Leisure/Sports Management Major. A major in Leisure/Sports Management requires: HPEL 160, 212, 220, 325, 326, 327, 410, 411, 422, 425, 471, 481 (six semester hours, 2.2 GPA required); ACC 201, BA 302, 303, and 311.

A minor in Leisure/Sports Management requires: HPEL 212, 325, 326, 327, 410, 411.

Sports Medicine Major. A major in Sports Medicine requires the following core courses: HPEL 160, 221, 310, 321, 322, 323, 422, BIO 161 and 162; and completion of one of the following tracks: the Exercise/Sports Science track requires HPEL 281 (two hours), 411, 481 (three to six hours), Chemistry 111 and 113, and Business Administration 303; the Athletic Training track requires HPEL 312, 328, 329, 413, 414, 481 (two three-hour courses), Chemistry 101 and 102.

A minor in Sports Medicine has two tracks, Athletic Training and Exercise/Sports Science. The Athletic Training track requires Biology 161, 162, HPEL 221, 312, 321, 322, and 422. The Exercise/Sports Science track requires Biology 161, 162, HPEL 321, 422, and three hours selected from core.

100. TENNIS AND BADMINTON

1 semester hour

101. RACQUETBALL

1 semester hour

102. ELEMENTARY GYMNASTICS

1 semester hour

105. GOLF (Beginning and Intermediate)

1 semester hour

Special fee: \$25.

106. BEGINNING SWIMMING AND EMERGENCY WATER SAFETY

2 semester hours

An introduction to basic swimming techniques as well as general water safety instruction in order to create an awareness of causes and prevention of water accidents—includes how to respond effectively in a water emergency. (Beginning Swimming and Emergency Water Safety certification given.)

107. INTERMEDIATE TO ADVANCED SWIMMING

1 semester hour

Review of basic strokes. Introduction of advanced strokes and elements of competitive swimming. Emphasis is on skill and cardiovascular fitness. Recommended to persons who plan to obtain lifeguard training and/or water safety instructor's certification.

108. LIFEGUARD TRAINING

2 semester hours

Provides knowledge and skills development for aquatic safety and non-surf lifeguarding. Persons completing this course will receive Red Cross certification. Prerequisites: Strong swimming skills, current Red Cross Standard First Aid.

109. OVERLOAD CONDITIONING

1 semester hour

Progressive development of physiological fitness designed to meet the needs of the individual student. Includes the weight training and cardiorespiratory training.

110. SNOW SKIING—BEGINNER TO ADVANCED

1-3 semester hours

An introduction to snow skiing which permits the student to advance at his own rate. All work conducted at ski site. Offered during Christmas holidays, one hour credit, and winter term, three hours credit. Extra fees required. (For details, consult Physical Education Department staff.)

111. AEROBICS CONDITIONING

1 semester hour

Progressive development of physiological fitness through aerobics conditioning activities designed to meet the needs of the individual student. Includes cardiovascular, flexibility and strength development.

115. LIFEGUARD TRAINING INSTRUCTOR

1 semester hour

Methods and materials of teaching Red Cross aquatics safety courses from Basic Water Safety through Lifeguard Training. Prerequisite: Lifeguard Training certification.

116. OUTWARD BOUND EXPERIENCE

1-3 semester hours

Course in wilderness survival, including physical survival skills, fitness, cognitive and emotional skills and study of the natural world. Offered as personnel is available.

117. EQUITATION I

1 semester hour

Basic horsemanship and riding skills—walk, trot, canter, first level dressage, introduction to jumping. Special fee: \$200.

118. EQUITATION II

1 semester hour

The development of riding skills on the flat; intermediate dressage; jumping skills with gymnastics and course work. Prerequisite: HPEL 117 or permission of instructor. Special fee: \$200.

119. EQUITATION III

1 semester hour

The development of the rider as a competitor in the show ring and jumping courses. Prerequisite: HPEL 118 or permission of the instructor. Special fee: \$200.

120. CONTEMPORARY HEALTH

3 semester hours

A study of contemporary health problems and issues. Topics for discussion include mental health, drug abuse, human sexuality, physical fitness, nutrition, and diseases.

160. FOUNDATIONS OF HEALTH AND PHYSICAL ACTIVITY

2 semester hours

The study of the immediate and long-term effects of physical activity and the establishment of individualized programs for acquiring and maintaining physical fitness and wellness. Lecture and laboratory experiences. Special needs of students are considered.

161, 162. LIFETIME SPORTS SKILLS LABORATORY

2 semester hours each semester

Methods, materials, techniques and skills in teaching lifetime sports skills. Includes golf, archery, tennis, badminton, gymnastics, aquatics. Majors and minors only. Special fee: \$15.

208. WATER SAFETY INSTRUCTORS COURSE

3 semester hours

Detailed study of methods and materials used to teach Red Cross swimming and aquatics safety courses. Successful completion qualifies WSIs to teach Infant and Preschool aquatics, progressive swimming courses, basic water safety and emergency water safety. Prerequisites: 17 years old, current certification for

Emergency Water Safety or Lifeguard Training; CPR and First Aid recommended.

209. SKIN AND BASIC SCUBA DIVING

2 semester hours

Designed to teach students the art of skin and scuba diving, including the physics, physiology, mechanics and safe diving practices as well as marine life, environment, dive planning and various aspects of sport diving. Prerequisites: 15 years old, pass a swim test, medical exam and payment of special fees before scuba work begins. Special fee: \$175.

211. HISTORY AND PRINCIPLES OF HEALTH AND PHYSICAL EDUCATION

3 semester hours

An introductory study in the history of health education and physical education; philosophical, physiological, and sociological bases for activity.

212. INTRODUCTION TO LEISURE/SPORTS MANAGEMENT

3 semester hours

A fundamental introduction to leisure and sports management with emphasis on the role and relevance of each to society.

220. FIRST AID

3 semester hours

Emphasis on preparing individuals to act responsibly in emergency situations; includes requirements for standard first aid and community CPR.

221. ATHLETIC TRAINING I

3 semester hours

Emphasis is placed on the prevention and treatment of athletic injuries in various sports. Basic physiological and anatomical functions of the athlete are discussed. Majors or minors only.

263. SPORTS SKILLS LABORATORY

2 semester hours

Methods, materials, techniques and skills in teaching team sports. May include soccer, field hockey, volleyball, basketball, and track and field. Majors and minors only.

265. OFFICIATING

2 semester hours

Designed to provide a thorough study of rules and mechanics of sport officiating. Practical experience in officiating may be provided in

the area of the sports selected at the community and little leagues, middle school, and junior varsity levels.

281. PRACTICUM IN SPORTS MEDICINE/ EXERCISE/SPORTS SCIENCE

2 semester hours

310. MOTOR LEARNING THEORY FOR TEACHING AND COACHING

3 semester hours

Emphasis is placed upon qualities of persons, influencing and controlling behavior during motor activities, vital relationships within the school and community, organization, planning, and learning theories for motor skill development.

312. ATHLETIC TRAINING II

3 semester hours

Advanced topics in Sports Medicine and Athletic Training including pain theory, theory and application of modalities of physical medicine, recognition, evaluation and treatment of athletic injuries, and organization and administration of athletic training. Prerequisite: HPEL 221 or permission of instructor.

321. KINESIOLOGY

3 semester hours

The study of the musculo-skeletal system and biomechanics for physical fitness activities, exercise and sports injuries, and sports skills. Prerequisite: BIO 161.

322. HEALTH OF THE BODY SYSTEMS

3 semester hours

A study of the interdependency body systems and diseases and conditions that affect human health and well being. Topics of study include communicable and noncommunicable diseases, immune system, dental health, and sociocultural factors that influence health. Methods of health appraisal and screening will also be investigated. Prerequisite: BIO 161.

323. NUTRITION AND SUBSTANCE ABUSE

3 semester hours

A comprehensive study of nutrition including nutrient basics, digestion, metabolism, vitamins, minerals, supplements, nutritional deficiencies and imbalances. Tobacco, alcohol and drug abuse will also be studied with emphasis placed on psychosocial implications, prevention, and rehabilitation.

324. LEISURE AND AGING

3 semester hours

Examines the needs and characteristics of the older adult as related to leisure needs. Focus is on problems inherent in leisure service delivery systems for aging clientele. (HPEL 324 is the same as HUS 324.)

325. COMMERCIAL LEISURE/SPORTS MANAGEMENT

3 semester hours

The study, development and current role of the commercial leisure industry (including commercial sports management). Emphasis will be placed upon the recreation as well as economic relevance in modern society.

326. LEISURE/SPORT FACILITIES PLANNING AND MAINTENANCE MANAGEMENT

3 semester hours

Designed to emphasize the necessity of proper planning and maintenance in the total leisure/sport management scheme; includes evaluation in planning, construction and operation of facilities.

327. LEISURE/SPORT LEADERSHIP AND PROGRAMMING

3 semester hours

The principles of leadership and group dynamics as they pertain to recreation, parks, commercial leisure and sports management. The component and application skills of leisure programming will be emphasized.

328. EMERGENCY SITUATIONS

2 semester hours

A practical course designed to instruct the student in how to handle life-threatening situations common to athletics. Standard Red Cross/First Aid and CPR certification are offered. Prerequisite: HPEL 221.

329. MODALITIES/THERAPEUTIC REHABILITATION

2 semester hours

A study in the theoretical principles and practical application techniques of modalities and therapeutic rehabilitation is offered. The courses mix classroom lecture and hands-on experience to facilitate the understanding of modalities and therapeutic rehabilitation. Prerequisite: HPEL 221.

342. METHODS OF COACHING FOOTBALL

2 semester hours

A study of appropriate terms, drills, methods, and strategy for coaching football.

343. METHODS OF COACHING BASKETBALL

2 semester hours

A study of appropriate terms, drills, methods, and strategy for coaching basketball.

344. METHODS OF COACHING TRACK AND FIELD AND BASEBALL

2 semester hours

A study of appropriate terms, drills, methods, and strategy for coaching track and field and baseball.

345. METHODS OF COACHING SOCCER AND VOLLEYBALL

2 semester hours

A study of appropriate terms, drills, methods, and strategy for coaching soccer and volleyball.

347. METHODS OF COACHING WRESTLING

2 semester hours

A study of appropriate terms, drills, methods, and strategy for coaching wrestling.

360. ELEMENTARY SCHOOL PHYSICAL EDUCATION (K-6)

3 semester hours

Emphasis placed on movement education and basic skills teaching with opportunity for laboratory experience.

361. MIDDLE SCHOOL PHYSICAL EDUCATION (6-9)

3 semester hours

Designed for middle school teachers of Physical Education. Various teaching methods, including a movement approach, for teaching basic skills and specific sports skills are explored. Opportunity is given for laboratory experience.

362. HEALTHFUL LIVING IN THE ELEMENTARY SCHOOL

3 semester hours

Provides a study of health, safety and physical education needs of elementary children and their integration within the curriculum, includes content and methodology.

363. METHODS AND MATERIALS OF GYMNASTICS

2 semester hours

A study of gymnastics teaching methods for the secondary and elementary school levels. Skill development, teaching techniques, and safety procedures are emphasized. Prerequisite: HPEL 162 or permission of instructor.

365. METHODS AND MATERIALS OF DANCE

3 semester hours

Fundamental movements, basic rhythmic techniques and basic dance steps. Includes folk, social, square and creative dance, with emphasis on teaching methodology at the elementary and secondary school levels.

410. ORGANIZATION AND ADMINISTRATION OF HEALTH, PHYSICAL EDUCATION AND LEISURE

3 semester hours

A study of appropriate organizational and administrative techniques needed to design and implement programs of physical education, health, intramurals, and athletics in schools, colleges and sport organizations.

411. MEASUREMENT AND EVALUATION IN HPEL

3 semester hours

Organization and interpretation of data from tests with and without the use of software packages, study and administration of youth and adult physical fitness tests, sports skill tests, and an overview of affective testing.

412. CONSUMERISM AND COMMUNITY HEALTH

3 semester hours

An analysis of health products, services and factors that influence personal choice in the health marketplace. A panoramic view of American health systems by exploring problems, forces, issues and trends that are changing the health system.

413. ATHLETIC INJURY ASSESSMENT I

3 semester hours

Designed to allow students to gain practical, hands-on experience in the evaluation of athletic injuries common in fall sports. Students will have the opportunity in a small group setting to evaluate athletic injuries and discuss treatment options under the supervision of a certified athletic trainer and/or orthopedic physician. Prerequisite: HPEL 312.

414. ATHLETIC INJURY ASSESSMENT II*3 semester hours*

Same as HPEL413 except for injuries that are common in spring sports.

422. PHYSIOLOGY OF EXERCISE*4 semester hours*

The study of the immediate and long-term effects of exercise on the body including the integration of the various bodily systems as a result of exercise; includes the role of nutrition and exercise in weight management. Laboratory activities include aerobic capacity testing, determination of body composition, and adult fitness testing. Prerequisite: BIO 162.

423. PHYSICAL EDUCATION FOR THE EXCEPTIONAL CHILD*3 semester hours*

A presentation of the various types of handicapped conditions of children and young adults and the modes in which physical education can be adapted to meet the specific needs and interests of these groups. Spring semester only.

425. OUTDOOR RECREATION SERVICES*3 semester hours*

A study of outdoor recreation policies, programs and activities. Contemporary issues and environmental quality are also emphasized.

461. SEMINAR IN ATHLETIC COACHING*3 semester hours*

Offered as needed.

471. SENIOR SEMINAR*2 semester hours*

Provides an opportunity for students to review their major work education and to demonstrate the ability to analyze contemporary issues/problems in leisure and sports management.

481. INTERNSHIP IN SPORTS MEDICINE*6 semester hours*

Two three-hour courses.

482. INTERNSHIP IN LEISURE/SPORTS MANAGEMENT*6 semester hours***491. INDEPENDENT STUDY***1-3 semester hours*

History

Chair, Department of History: Professor Crowe

Professors: G. Troxler, C. Troxler

Associate Professor: Midgett

Assistant Professors: Welch, Digre, Bissett, L. Rich, B. Melton

Instructor: Beall

Part-time Instructors: Delp, Wingfield, C. Melton, Lansen

A major in History requires History 111, 112, 211, 212, one History seminar course, plus 24 semester hours of electives in History which must include 18 semester hours at the junior/senior level. A major in History also requires three semester hours from English 201, 202, 203, or 204 and three semester hours from Communications 210, Foreign Language (111 or above), or English 314.

History majors receiving teacher certification must have Geography 131 and Political Science 131 in addition to the required professional education courses. Of the 24 semester hours of electives listed above, majors receiving teacher certification must complete at least three semester hours from *each* of the following four areas: 1) United States, 2) European, 3) Developing World (Latin America, Africa, Asia, and Middle East), and 4) Minority history (Native Americans, African Americans, and Women).

A minor in History requires a minimum of 21 semester hours of History, which includes History 111, 112, 211, 212 and nine semester hours of History from the junior-senior level.

111, 112. HISTORY OF WESTERN CIVILIZATION*3 semester hours each semester*

European history from the era of prehistory to the present. The cultural and social development of the various ancient and European cultures is given equal emphasis with the course of events in political and economic spheres. History 111 covers the period from prehistory to the year 1660; History 112, the years 1660 to the present.

211, 212. AMERICAN HISTORY*3 semester hours each semester*

American history from the period of discovery and colonization to the present. History 211 covers the period from discovery to 1864; History 212, the years from 1865 to the present.

251. HISTORY STUDIES ABROAD*3 semester hours*

A specialized study for those participating in abroad programs. Opportunities include England, Russia, China, and Eastern Europe.

311, 312. HISTORY OF ENGLAND*3 semester hours each semester*

English history from the time of Britain's first contact with the Roman world to the present. History 311 is a survey of English history to 1603; History 312 covers the period from 1603 to the present. Prerequisites: HST 111, 112 or permission of instructor.

313. LATIN AMERICA: COLONIAL AND EARLY NATIONAL PERIODS*3 semester hours*

The Americas south of the Rio Grande from the arrival of Europeans until most of the area established modern political patterns. Major topics include Spanish and Portuguese exploration and settlement, the interaction of Indian and Iberian cultures, the formation of colonial societies, and independence movements. Prerequisite: HST 111 or 211 or permission of instructor.

314. LATIN AMERICA IN THE TWENTIETH CENTURY*3 semester hours*

A regional framework is used to explore social, political, economic and cultural developments in the Americas south of the Rio Grande. Major focus is on the period since

1910 and the social and political tensions of individual nations today. Prerequisite: HST 112, 212 or permission of instructor.

315. THE HISTORY OF RUSSIA TO 1917: THE IMPERIAL PERIOD*3 semester hours*

A survey of Russian history from the founding of the Russian state to the fall of the Romanov dynasty in 1917. Prerequisite: HST 111 or 112 or permission of instructor.

316. THE HISTORY OF RUSSIA SINCE 1917: THE SOVIET PERIOD*3 semester hours*

A detailed study of the personalities and political movements that have been important in Russia since the time of Lenin. The course will strongly emphasize Soviet domestic policies and their impact upon Russia and the world. Prerequisite: HST 112 or permission of instructor.

321. HISTORY OF MODERN CHINA*3 semester hours*

A history of Chinese civilization from the beginning of the Manchu Dynasty in 1644 to the present day. The course examines the impact of China's ancient cultural and philosophical heritage on its modern history and explores the future of China in the modern world.

333. THE UNITED STATES FROM 1877 TO 1933*3 semester hours*

A study of important events and developments in American history from the end of Reconstruction through the presidential election of 1932. Special emphasis is placed on the rise of industrial capitalism.

335. AMERICAN INDIAN HISTORY*3 semester hours*

A survey of the relationship between Americans and the European powers who occupied and settled in the Western Hemisphere. The course focuses on the Native American experience in the U.S. in the 20th century.

336. EUROPE: 1914-1945*3 semester hours*

An examination of European history in the first half of the 20th century. Focus is upon the two World Wars, the search for stability in the inter-war years, and the rise of totalitarianism.

337. EUROPE: 1945 TO THE PRESENT*3 semester hours*

A survey of Europe since the end of WWII. Topics include the Cold War, the end of colonial rule, the rise of the European community, social and intellectual trends, and the collapse of communism.

340. SOCIAL MOVEMENTS IN POST-CIVIL WAR AMERICA*3 semester hours*

An examination of organized efforts to change American society in the period since Reconstruction. The course begins with populism in the late 19th century and ends with the Civil Rights Movement of the 1960s.

341. UNITED STATES FOREIGN POLICY TO 1939*3 semester hours*

Diplomatic history of the U.S. from the Revolution to the outbreak of WWII. Emphasis is on the political and constitutional influences on U.S. foreign relations and the evolution of major policies. Prerequisite: HST 211, 212 or permission of instructor. (HST 341 is the same as PS 341.)

342. UNITED STATES FOREIGN POLICY SINCE 1939*3 semester hours*

(Same course as PS 342. See PS 342 for description.)

343. SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES*3 semester hours*

A study of influential trends arising from the experience of the American people in developing a national character. Particular attention is devoted to an analysis of philosophical, economic, literary and educational evolution of the nation from the colonial to the modern period. Prerequisite: HST 211, 212 or permission of instructor.

344. THE SOUTH IN AMERICAN HISTORY*3 semester hours*

Focus is on factors that produced southern distinctiveness and the implications of this regional consciousness. Areas of emphasis include antebellum era, effects of Civil War and Reconstruction, sub-cultural persistence, Civil Rights Movement, and emergence of the modern sunbelt. Prerequisite: HST 211 or 212 or permission of instructor.

345. AMERICAN MILITARY HISTORY*3 semester hours*

A course in the military history of the U.S. from 1775 to the present designed to help the student understand the role the military has played in American society. The course includes the military as a social class and the study of military principles, as well as campaigns and battles of major American wars. Prerequisites: HST 211, 212 or permission of instructor.

346. NORTH CAROLINA HISTORY*3 semester hours*

The history of N.C. from the first discoveries of the area to the present. Prerequisites: HST 211, 212.

347. HISTORY OF WOMEN IN THE UNITED STATES*3 semester hours*

This course will focus on the roles and influences of women in the U.S., primarily during the centuries since nationhood was established. Students will examine the political, social, familial, and working patterns of women, within the context of American and Western history as a whole.

348. UNITED STATES SINCE 1933*3 semester hours*

Recent American history with emphasis on the political, social, and intellectual forces which shaped America since the Great Depression. Prerequisite: HST 212 or permission of instructor.

353. EUROPE IN TRANSFORMATION, 1100-1600*3 semester hours*

A study of Europe in the Middle Ages and the Early Modern Period. It examines the development of medieval political, economic and social institutions and the role of the Catholic Church in European society and also

the development of the Renaissance and its impact on the Protestant and Catholic Reformations. Prerequisite: HST 111 or permission of instructor.

354. EUROPE 1600-1791

3 semester hours

A study of forces and movements converging in the American French and Industrial Revolution. Major topics include the birth of modern science; the religious, social and political conflicts of the 17th century; the divergent growth of absolutism and constitutionalism, colonial rivalries; and the Enlightenment. Prerequisite: HST 112 or permission of instructor.

355. NINETEENTH CENTURY EUROPE 1791-1914

3 semester hours

Political, social, economic and cultural developments with particular attention to the national and international problems, especially development of the principles of nationalism, liberalism, and imperialism. Prerequisite: HST 112 or permission of instructor.

358. CANADA: HISTORY AND CULTURES

3 semester hours

An introduction to the history of Canada and its contemporary cultural and political life.

359. EARLY NATIONAL PERIOD: FORCES THAT SHAPED THE UNITED STATES, 1787-1840

3 semester hours

A look at the major political, social, and economic forces that shaped the history of the U.S. under its first seven presidents.

360. A HISTORY OF THE HOLOCAUST

3 semester hours

The purpose of this course is to look at the evolution of Adolph Hitler's antisemitic policies, culminating in the Final Solution which was designed to eliminate all Jews and other selected ethnic minorities under Nazi control.

361. MODERN JAPAN

3 semester hours

This course will explore the history of the Japanese nation and its people from the beginning of the Tokugawa Shogunate in the second half of the 17th century until today.

381. HISTORY OF MODERN AFRICA

3 semester hours

A survey of developments during the past century that have influenced contemporary Africa. The course will examine African responses to European imperialism and the problems faced by the new African states. Emphasis will be on regions south of the Sahara.

382. HISTORY OF SOUTHERN AFRICA

3 semester hours

An exploration of the forces that have shaped South Africa and its neighbors in the 19th and 20th centuries. A focus of the class will be the effects of apartheid on modern South African society.

383. CONTEMPORARY MIDDLE EAST

3 semester hours

An historical perspective on current issues in the Middle East. Topics include Islam, the Ottoman Empire, Western imperialism, the development of nationalism and modern states, turmoil in the Persian Gulf, and the Arab-Israeli conflict.

460-469. SEMINAR: SPECIAL TOPICS

3 semester hours

A capstone experience for majors. Each course is designed to offer the students the practical experience of researching, writing, and presenting a major research paper. Courses have included American Civil War, England in the Age of Henry the Eighth, Russia, The Holocaust, and Modern Africa. Prerequisites: Junior or senior history major or permission of instructor.

481. INTERNSHIP IN HISTORY

3 semester hours

An orientation program to familiarize students with careers in archives, records, historic sites, and museum administration; archaeology, the preservation of historic properties, and historical publications. Includes an orientation program and an internship of ten hours per week for ten weeks. Prerequisite: 18 semester hours of history. Offered spring semester.

491. INDEPENDENT STUDY

3 semester hours

Open to history majors and minors who have junior or senior standing or by permission of instructor.

Human Services

Chair, Department of Human Services: Assistant Professor Kiser

Professor: Granowsky

Associate Professor: Higgs

A major in Human Services requires Human Services 211, 212, 381, 411, 412, 413, 471, 481; two additional three semester hour courses selected from Human Services offering (one of which may be Mathematics 265 or Social Sciences 285 or Economics 246); and 15 semester hours (at least nine at 300-400 level) selected from Psychology and/or Sociology.

A major in Human Services prepares the graduate to work in society's many social welfare subsystems—health, education, mental health, welfare, family services, corrections, child care, vocational rehabilitation, housing, community service, and the law.

Prior to taking Human Services 381 students must be approved by the Human Services Screening Committee. Applications for the practicum are available in the office of the department chair and must be submitted no later than October 1. A minimum grade point average of 2.1 is required to be eligible for practicum.

Most other major requirements must be completed prior to taking Human Services 481. Students who enroll in Human Services 481 may not take any courses other than the prescribed block courses. Applications for taking the Internship must be submitted no later than March 1. A minimum grade point average of 2.2 is required to be eligible for internship.

A concentration in Social Work requires six hours selected from

Human Services 231, 431 or 435; and Human Services 381 and 481. Human services 381 and 481 must both be taken in a social work setting.

A concentration in Gerontology requires Human Services 211, 241, 324, 345, and 381. Human Services 381 must be taken in a facility or program for the elderly.

A minor in Human Services requires Human Services 211, 212, 381, Psychology 211 or Sociology 111; and two courses selected from Human Services 231, 431 and 435.

101. LEADERSHIP

2 semester hours

A study-practical experience course designed to increase knowledge and skills in leadership development. This course is appropriate for both emerging and established leaders.

102. PEER COUNSELING

2 semester hours

A study-practical experience course designed to develop competency in interpersonal relations, to present the residence hall as a community, and to gain an understanding of personal and community problems. Open to all students and required of all Resident Assistants.

211. INTRODUCTION TO HUMAN SERVICES

3 semester hours

A study of the history and values of the human services profession, the worker-client relationship, and the helping process. Special emphasis is given to the qualities, skills and roles of the human services worker. A minimum of 25 hours of field work in an approved human services setting is required.

212. METHODS IN HUMAN SERVICES

3 semester hours

This course focuses on various approaches to the helping process with emphasis on the development of skills in interviewing and counseling. A minimum of 30 hours of field work in an approved human services agency is required. Prerequisite or corequisite: HUS 211.

221. EXPLORATIONS IN HUMAN SERVICES*3 semester hours*

This course explores the various populations of human service consumers and the programs and services available to these populations. Critical reflection upon the various issues, concerns, and controversies related to specific service areas is encouraged.

231. SOCIAL GROUP WORK*3 semester hours*

Designed to increase knowledge and skills in organizing, analyzing and working with human services groups. Special emphasis is given to group dynamics, group structure and the group worker role. Prerequisite: HUS 211 or SOC 111.

241. INTRODUCTION TO AGING*3 semester hours*

An introduction to the field of gerontology. Emphasis is placed on the biological, sociological and psychological aspects of aging.

324. LEISURE AND AGING*3 semester hours*

(Same course as HPEL 324. See HPEL 324 for description.)

345. ISSUES IN AGING*3 semester hours*

Current issues in gerontology, including topics such as retirement, living environments, sexuality and finances.

381. PRACTICUM IN HUMAN SERVICES*3 semester hours*

Preliminary field experience. Prerequisites: HUS 211, 212. Junior or senior status. Majors and minors only.

411. ADMINISTRATION, SUPERVISION AND FINANCE OF HUMAN SERVICES AGENCIES*3 semester hours*

Principles and techniques in the administration of human services. Planning, staff selection, budgeting, financing, management, working with boards and volunteer groups. Prerequisites: HUS 211, 212. (Block course.)

412. PROFESSIONAL COMMUNICATION*3 semester hours*

An in-depth study of interviewing and writing skills which are essential to the human services worker. Prerequisites: HUS 211, 212. (Block course.)

413. CURRENT ISSUES AND TRENDS IN HUMAN SERVICES*3 semester hours*

Current issues and trends including gerontology, services to the terminally ill and their families, responding to the client with special needs in areas such as sexuality and domestic violence, current legislation, and professional burnout. Prerequisites: HUS 211, 212. (Block course.)

431. PRINCIPLES OF COUNSELING*3 semester hours*

Counseling techniques for persons who will work in the helping professions. Includes psychodynamics of behavior and the principles of individual and group counseling.

435. FAMILY COUNSELING*3 semester hours*

This course focuses on family assessment and intervention using family systems theory as the primary conceptual model. Emphasis is on skill development and the use of the family counseling concepts to understand family dynamics and relationships.

471. SEMINAR: SPECIAL TOPICS*3 semester hours***481. INTERNSHIP IN HUMAN SERVICES***3 semester hours*

This course provides the student with actual experience in a human service agency on a full-time basis for seven to eight weeks. Senior Human Services majors only.

International Studies _____

The International Studies program is listed under Political Science.

Journalism _____

The Journalism program is listed under Communications.

Mathematics _____

Chair, Department of Mathematics:
Associate Professor Reichard

Professors: Francis, W. Hightower, R. Haworth

Associate Professors: Alexander, Barbee, Speas

Assistant Professors: Richardson, Gersdorff, Nawrocki, Clark, Johnson

Instructor: C. Holt

Part-time Instructors: Walton, Dyer

A Bachelor of Arts degree with a major in Mathematics requires Mathematics 121, 221, 241, 311, 312, 321, 425, 461; at least six semester hours chosen from Mathematics 315, 331, 341, 342, 351, 421; at least three additional semester hours of mathematics at the 300-400 level (excluding 481); Computer Science 130; Physics 113, 115.

A Bachelor of Science degree with a major in Mathematics requires Mathematics 121, 221, 241, 311, 312, 321, 425, 461; at least nine semester hours chosen from Mathematics 315, 331, 341, 342, 351, 421; Computer Science 130 and at least three semester hours of Computer Science numbered above 130 (excluding Computer Science 220, 361); Physics 113, 114, 115, 116.

Students planning to teach Mathematics at the secondary level must complete a Bachelor of Arts or Bachelor of Science degree in Mathematics and include Mathematics 331 and 341 among the Mathematics requirements, in addition to the required professional education courses.

A minor in Mathematics requires Mathematics 121, 221, 241, 311, and one additional three- or four-semester hour course selected from Computer Science (excluding Computer Science 220, 361), Economics 246, or a Mathematics course numbered 200 or above (excluding 261, 262, 481).

A student may exempt Mathemat-

ics 111, 112 and/or 121 by demonstrating proficiency.

Once a student has received credit, including transfer credit for a course, credit may not be received for any course with material that is equivalent to it or is a prerequisite for it, without permission of the Mathematics Department.

100. INTERMEDIATE ALGEBRA

3 semester hours

A course designed to strengthen the fundamental algebraic concepts of exponents, factoring, equation and inequality solving, algebra fractions, radicals and applications. This course, or a demonstrated competence, is required of all students and is not applicable to the General Studies requirements. No credit is given to students having passed Mathematics 111, or a course for which Mathematics 111 is a prerequisite. A final grade of "C" is a prerequisite for registration to any higher math course. (This class meets five days a week.)

110. THE NATURE OF MATHEMATICS

3 semester hours

A course designed to provide insight into the nature of mathematics, with emphasis given to reasoning, communicating mathematical ideas, applications, and quantitative skills. Topics are selected from: mathematical reasoning, probability, counting techniques, statistics, financial management, and systems of numeration. Prerequisite: MTH 100 or competency determined by mathematics placement process. No credit is given to students having prior credit for MTH 160 or 170 (previous catalog).

111. COLLEGE ALGEBRA

3 semester hours

Topics include sets, real numbers, equations, inequalities, exponents, polynomials, rational expressions, relations, functions, and graphs.

112. TRIGONOMETRY AND ELEMENTARY FUNCTIONS

3 semester hours

A study of basic functions and their applications. Topics include trigonometric, circular, exponential, logarithmic and inverse functions; trigonometric identities. Prerequisite: MTH 111 or competency.

121. CALCULUS AND ANALYTIC GEOMETRY I*4 semester hours*

Introduction to analytic geometry; functions; limits and continuity; differentiation of algebraic functions with applications; introduction to the definite integral; the fundamental theorem of integral calculus. Prerequisite: MTH 111 or competency.

165. APPLIED MATHEMATICS WITH CALCULUS*3 semester hours*

Topics include matrices, probability, functions, limits, derivatives and applications of derivatives. Credit will not be given to students who have passed or been exempted from Mathematics 121. Prerequisite: MTH 111 or competency.

221. CALCULUS AND ANALYTIC GEOMETRY II*4 semester hours*

Applications of the definite integral; differentiation and integration of transcendental functions; techniques of integration; indeterminate forms; improper integrals; plane curves and polar coordinates. Prerequisites: MTH 112 and 121 or competency.

241. LOGIC AND DISCRETE MATHEMATICS*3 semester hours*

An introduction to Discrete Structures including logic, sets, Boolean algebra, Combinatorics, mathematical induction, relations, functions, recursion and graphs. Prerequisite: MTH 121 or 165.

261. MATHEMATICS FOR ELEMENTARY AND MIDDLE GRADES TEACHERS*3 semester hours*

A content course open only to students majoring in elementary or middle grades education. Topics include problem solving, numeration systems, set theory, whole numbers (concepts, operations, properties, and algorithms), estimation, and selected topics in geometry, measurement, and statistics.

262. MATHEMATICS FOR ELEMENTARY AND MIDDLE GRADES TEACHERS*3 semester hours*

A content course open only to students majoring in elementary or middle grades education. Topics include problem solving, estimation, number theory, rational and irrational numbers (concepts, operations, properties, and algorithms), percent, ratio and proportion, probability, and selected topics in geometry

and measurement. Prerequisite: MTH 261. For elementary education majors.

265. ELEMENTARY STATISTICS*3 semester hours*

A course in elementary statistics for students needing a general overview of modern statistics. Topics include organization of data, probability, measures of central tendency and variability, binomial and normal distributions, sampling, tests of hypothesis, estimation, correlation, regression and chi-square. Prerequisites: MTH 110 or higher. Credit will not be given for both MTH 265 and ECO 246.

311. LINEAR ALGEBRA*3 semester hours*

An introductory course in linear algebra covering the following topics: vectors, vector spaces, matrices, determinants, systems of linear equations, and linear transformations. Prerequisite: MTH 221, 241.

312. MODERN ALGEBRA*3 semester hours*

An introductory course in abstract algebra covering major elementary aspects of the subject; properties of the integers, congruence, the real and complex number systems, integral domains, rings, fields, groups and polynomials. Prerequisites: MTH 241, 311.

315. NUMERICAL ANALYSIS*3 semester hours*

(Same course as CS 315. See CS 315 for description.)

321. CALCULUS AND ANALYTIC GEOMETRY III*4 semester hours*

Infinite sequences and series; three dimensional analytic geometry including vectors; differentiation and integration of multivariable functions; applications. Prerequisite: MTH 221.

331. MODERN GEOMETRY*3 semester hours*

A rigorous treatment of the axiomatic foundations of Euclidean geometry through Hilbert's axioms; the role and independence of the parallel postulate, revealed through models and neutral geometry; historical and philosophical implications of the discovery of non-Euclidean geometry with an introduction to both hyperbolic and elliptic geometry. Prerequisite: MTH 241.

341. PROBABILITY THEORY AND STATISTICS*3 semester hours*

Axiomatic probability; counting principles, discrete and continuous random variables and their distributions; sampling distributions and the central limit theorem. Prerequisite: MTH 221.

342. APPLIED STATISTICAL MODELS*3 semester hours*

An introduction to the study of statistical theory, inference, and application of hypothesis testing about a variety of population parameters. Topics include analysis of variance, simple and multivariate linear regression, and elementary nonparametric statistics. Applications will be drawn from the social sciences, economics, business, education, psychology, biological and physical sciences, and other areas. Students will use statistical computer software selected from MINITAB, SAS, and SPSS. Prerequisite: MTH 341.

351. THEORY OF COMPUTATION*3 semester hours*

(Same course as CS 351. See CS 351 for description.)

421. DIFFERENTIAL EQUATIONS*3 semester hours*

Methods of solving and applications of ordinary differential equations. Prerequisite: MTH 321.

425, 426. ANALYSIS*3 semester hours each semester*

A rigorous study of the real numbers, sequences, series, limits, continuity, differentiation and integration. Prerequisites: MTH 312, 321.

461. SENIOR SEMINAR*3 semester hours*

A capstone experience for Mathematics majors during their senior year of college work. Students will participate in research and presentation experiences on topics selected by the instructor and students. Emphasis will be placed on collection, organization, and presentation of advanced mathematical topics. Prerequisite: Senior standing or permission of the Mathematics Department.

471. SPECIAL TOPICS*3 semester hours*

Topics selected to meet the needs and interests of the student. Open to senior mathemat-

ics majors and others by permission of the department.

481. INTERNSHIP IN MATHEMATICS*1-3 semester hours*

Work experience at an advanced level in some aspect of the mathematical sciences. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: Permission of the Mathematics Department.

491. INDEPENDENT STUDY*1-3 semester hours*

Prerequisite: Permission of the Mathematics staff. May be repeated with different topics. Maximum total credit, eight semester hours.

Medical Technology

Chair, Department of Biology and Allied Health: Professor H. House
Medical Director and Acting Program Director: Steuterman
College Program Director: House

The medical technologist is responsible for laboratory management as well as the analysis of various body fluids and other biological specimens. The results of these tests enable physicians to diagnose and treat their patients properly.

The medical technology curriculum involves undergraduate preparation at Elon College and completion of the clinical curriculum at Moses H. Cone Memorial Hospital, where the affiliated hospital-based program is located.

Admission to the affiliated program is competitive, based on overall GPA, biology and chemistry GPA, evaluations by faculty and personal interview. Upon successful completion of the hospital program, the student is awarded a Bachelor of Science degree in Medical Technology. Students who are not admitted into an MT program are able to complete a biology degree

at Elon College and re-apply to one of the affiliated programs.

A Bachelor of Science degree with a major in Medical Technology requires: Biology 111, 113, 221, 312, 321, 341, 425; Chemistry 111, 112, 113, 114, 321, 322, 323, 324; Mathematics 265 or Information Systems 116; Physics 111, 112, 115, 116; a one-hour course in immunology and completion of the clinical curriculum at Moses H. Cone Memorial Hospital.

Military Science _____

Chair, Department of Military Science: Batten

Assistant Professor: Coleman

Instructor: Grady

Elon College, in cooperative agreement with North Carolina A&T State University, offers an Army Reserve Training (ROTC) program.

The Army Reserve Officers Training Corps program provides a viable elective program for both male and female students. The program is divided into a basic course and an advanced course. These are normally completed during a four-year period. However, it is possible for veterans and other students who elect to undergo special training to complete the program in two years.

Programs of Instruction. Programs of instruction for the Army ROTC include a four-year program and a two-year program. The four-year program consists of a two-year basic course, a two-year advanced course and the advanced ROTC Summer Camp. The two-year program encompasses a basic ROTC Summer Camp, a two-year advanced course and the advanced ROTC Summer Camp.

Basic Course. The basic course is

normally taken during the freshman and sophomore years. The purpose of this instruction is to introduce the student to basic military subjects: branches of the Army; familiarization with basic weapons; equipment and techniques; military organization and functions; and the techniques of leadership and command. It is from the students who successfully complete this instruction that the best qualified are selected for the advanced course which leads to an officer's commission. Credit for the basic course can be obtained by successful completion of Military Science 111, 112, 141, 142, 211, 212, 241, and 242. Successful completion of Military Science 251, or prior service in the Armed Forces, can be used to obtain appropriate credit for the basic course.

Advanced Course. Students who receive appropriate credit for the basic course and meet eligibility standards are admitted to the advanced course on a best-qualified basis. Successful completion of the advanced course qualifies the student for a commission as a Second Lieutenant in one of the branches of the U.S. Army, Army Reserves, or Army National Guard. The following courses are required for completion of the advanced course: Military Science 311, 312, 341, 342, 351, 411, 412, 441, and 442.

Two-Year Program. This program is designed for junior college students or sophomores at four-year institution who have not taken ROTC. A basic six-week summer training period after the sophomore year takes the place of the basic course required of students in the traditional four-year program. When a student with two years of college has successfully completed the basic summer training, he/she is

eligible for the advanced ROTC course in his/her junior and senior years.

The advanced course, which leads to an officer commission, is the same for students in either the two-year program or the four-year programs.

111. INTRODUCTION OF CITIZEN/SOLDIER

1 semester hour

Designed to acquaint cadets with the Army and introduce fundamental individual skills. Provides a variety of subjects to stimulate cadet interest and commitment. The scope of training includes leadership, roles in the Army, Reserve and National Guard, written communications, and general military subjects.

112. INTRODUCTION TO UNITED STATES MILITARY FORCES

1 semester hour

Provides an introduction and early development to leadership and soldier skills. The scope of training includes leadership, drill and ceremonies, first aid and general military subjects.

141, 142. LEADERSHIP LABORATORY

1 semester hour each semester

Encompasses hands-on, practical training in basic military skills, drill and ceremonies, first aid, and conducting inspections; individual arms and marksmanship techniques are also covered.

211. DEVELOPMENT OF PROFESSIONAL MILITARY SKILLS I

1 semester hour

Continues development of cadet leadership and critical skills. Training is basic in scope and includes leadership, written and oral communications, physical fitness, and general military subjects.

212. DEVELOPMENT OF PROFESSIONAL MILITARY SKILLS II

1 semester hour

Expands the frame of reference of students to include an understanding of roles and responsibilities. Instruction fosters internalization of the Professional Army Ethic. Training is basic in scope and includes written and oral communication, military skills, professional knowledge subjects, and physical fitness.

241, 242. LEADERSHIP LABORATORY

1 semester hour each semester

Serves as a learning laboratory for hands-on practical experiences. Training includes instruction on operations, tactics, land navigation, first aid, and general military subjects. Emphasizes the functions, duties, and responsibilities of junior non-commissioned officers. Primary emphasis is continued development of leadership potential through practical experience. The APFT is given to assess the state of physical development.

251. ARMY ROTC BASIC CAMP

4 semester hours

Six weeks of training at Fort Knox, Ky. Training consists of Army history, role and mission, map reading/land navigation, rifle marksmanship, basic leadership techniques, physical training/marches, individual and unit tactics, communications. This course can be taken by rising juniors to substitute for Military Science 111, 112, 141, 142, 211, 212, 241, and 242. Prerequisite: Pass qualification tests.

311. LEADERSHIP TRAINING

2 semester hours

Refines the leader development process. Designed to prepare cadets for the full range of responsibilities associated with Advanced Camp. Training is supplementary in scope and includes leadership, written and oral communications, operations, tactics, and general military subjects.

312. INTRODUCTION TO MILITARY TEAM THEORY

2 semester hours

Emphasis is placed on the development of intermediate level cadet leader skills in preparation for Advanced Camp. Training is supplementary in scope and includes leadership, written and oral communications, operations, tactics, land navigation, weapons and general military subjects.

341, 342. LEADERSHIP LABORATORY

1 semester hour each semester

Serves as a learning laboratory for hands-on practical experiences. Training is supplementary in scope and includes land navigation and weapons. The APFT is administered to assess the state of physical development. Emphasis is placed on the development of intermediate

leader skills in a field environment. The focus is on soldier-team development at squad/patrol level.

351. ARMY ROTC ADVANCED CAMP

4 semester hours

Normally taken the summer following the junior year. The training is conducted at designated U.S. Army installations. This internship is six weeks in duration. Prerequisite: MS 312.

411. SEMINARS IN LEADERSHIP AND PROFESSIONAL DEVELOPMENT

2 semester hours

Develops leadership and technical/tactical skills through performance as a trainer/supervisor. Training is supplementary and includes leadership, written and oral communications, operations and tactics, physical fitness, training management, and general military subjects. The focus gradually shifts to orient the student on future assignments as an officer.

412. LEADERSHIP, LAW, AND ETHICS

2 semester hours

Continues development of leader critical skills. Training includes leadership, ethics, professionalism, law, written and oral communications, operations, tactics, and general military subjects. The course culminates with instruction on transitioning to the Officer Corps.

441, 442. LEADERSHIP LABORATORY

1 semester hour each semester

Serves as a learning laboratory for hands-on practical experiences. Training is designed to solidify the commitment to officership, reinforce individual competencies, and afford maximum practical officer leader experiences. Emphasizes the functions, duties, and responsibilities of junior Army officers. Special attention is directed to developing advanced leadership skills through active participation in planning and conducting military drills, ceremonies, and field training.

451. AIRBORNE TRAINING

3 semester hours

Three weeks of intensive airborne training to include physical conditioning, landing techniques, parachute safety, simulated jumps, procedures in and around aircraft, and five combat jumps from Air Force aircraft at 1,250 feet. Prerequisite: Selection for this training is

highly competitive. Only a few cadets, nationwide are accepted.

Music

Chair, Department of Music: Professor Bragg

Assistant Professors: Fischer, McNeela, Erdmann

Instructor: Green

Part-time Professors: Artley, Oehler

Part-time Instructors: King, Sullivan, Dula, Johnson, Cykert, Novine-Whitaker, Metzger, LaRocco, Reed

Requirements for the Major in Music.

The major in Music requires the following courses for a total of 37 to 41 hours: Music 111, 112, 211, 212, 154, 155, 315, 316, 495 and six total hours of electives at the 300-400 level, four semesters of applied music lessons (either one or two hours per semester), and four hours of ensembles. Students with this major may wish to combine it with an additional major or with selected minors.

Requirements for the Major in Music Education. Candidates for state certification for teaching music in the public schools should enroll in the program leading to a Bachelor of Science in Music Education. This program requires Music 111, 112, 113, 114, 211, 212, 213, 214, 313, 315, 316, 361, 362, 363, 365, 366, 411, 413, 461, a minimum of six semester hours of applied study, eight semester hours of ensemble (Music 101, 102, 103, 105; see *Music Student Handbook* for required distribution of hours), and keyboard proficiency and concert attendance as outlined in the *Music Student Handbook*. The student must also complete the required pro-

professional education courses. Applied music requirements are met when the student has successfully completed at least one semester at the 300 level in his/her performance medium and has presented a half-recital which is accepted by the music faculty. Students must observe the requirements for the teacher education program as outlined under Education.

Candidates for state certification who also meet requirements for the Bachelor of Arts degree in Music will be awarded the Bachelor of Science degree in Music and Music Education.

Requirements for the Major in Music Performance. A major in Music Performance requires Music 111, 112, 113, 114, 211, 212, 213, 214, 313, 315, 316, 413, a choice of 411, 366 or 360; a minimum of eight semester hours of ensemble (Music 101, 102, 103, 105), and keyboard proficiency and concert attendance as outlined in the *Music Student Handbook*. Applied music requirements are met when the student has completed at least one semester at the 400 level in his/her major performance medium and has presented a formal solo recital which is accepted by the music faculty.

Requirements for the Music Minor. A minor in Music requires Music 111, 112, 113, 114, 301, eight semester hours in one medium of applied music instruction, four semester hours in ensemble (any combination of Music 101, 102, 103, 105). Students lacking functional knowledge of keyboard must accumulate two semester hours in piano either prior to, or simultaneously with, their enrollment in Music 111, 112, 113, 114.

General Regulations. Department procedures, policies, and additional requirements are outlined in the *Music Student Handbook*, which can

be obtained from the Chair of the Department of Fine Arts. Music majors and minors should request a copy upon enrollment.

Applied Music—Individuals and Group Instruction. Music majors and minors register for the appropriate level and area of applied music study as determined by audition and consultation with their advisor or the Chair. With permission of the Chair of the Department of Fine Arts, the general college student may register for any course in applied music. One semester hour credit may be earned for a 30-minute lesson per week. Two semester hours credit may be earned for a 60-minute lesson per week. Special fees applicable to applied music lessons are described on page 33.

Applied Music Levels

Piano:	120, 220, 320, 420
Tuba:	127, 227, 327, 427
Viola:	134, 234, 334, 434
Organ:	121, 221, 321, 421
Flute:	128, 228, 328, 428
Cello:	135, 235, 335, 435
Voice:	122, 222, 322, 422
Oboe:	129, 229, 329, 429
String Bass:	136, 236, 336, 436
Trumpet:	123, 223, 323, 423
Clarinet:	130, 230, 330, 430
Guitar:	137, 237, 337, 437
French Horn:	124, 224, 324, 424
Bassoon:	131, 231, 331, 431
Percussion:	138, 238, 338, 438
Trombone:	125, 225, 325, 425
Saxophone:	132, 232, 332, 432
Baritone (Euphonium):	126, 226, 326, 426
Violin:	133, 233, 333, 433

Applied Music Classes—Group Instruction

152, 153. VOICE CLASS I & II

1 semester hour each semester

Group voice instruction (beginning and intermediate).

154-157. PIANO CLASS I-IV

1 semester hour each semester

Group piano instruction ranging from beginning to intermediate.

158. GUITAR CLASS

1 semester hour

This group course is for absolute beginners who want to develop musical skills with the guitar as an instrument. Using elements of classical guitar techniques as a foundation, the students will be able to play simple chords, melodies and songs.

258, 259. DICTION FOR SINGERS

1 semester hour

Required of voice majors.

Music Materials, Structures and Techniques

111, 112. THE MATERIALS OF MUSIC I & II

3 semester hours each semester

A study of the fundamentals of music, diatonic harmony and elementary voice-leading and part-writing, introduction to harmonic-melodic form, analysis and synthesis of harmonic practices through the dominant seventh and its inversions. MUS 111 prerequisite for MUS 112.

113, 114. MUSIC SKILLS LAB I & II

1 semester hour each semester

Melodic-harmonic-rhythmic dictation, sight singing and keyboard study. Designed to be taken in conjunction with Music 111, 112.

211, 212. THE MATERIALS OF MUSIC III & IV

3 semester hours each semester

A continuation of Music 111, 112 on a more advanced level including secondary seventh chords and chromatic harmony. Prerequisite: MUS 112.

213, 214. MUSIC SKILLS LAB III & IV

1 semester hour each semester

Designed to be taken in conjunction with Music 211, 212.

254. JAZZ IMPROVIZATION

2 semester hours

This course is for the instrumentalist who wants to develop skills in improvisational technique in jazz performance.

311. COUNTERPOINT I

2 semester hours

Renaissance counterpoint in two, three and four parts, with application to various types of vocal and instrumental writing. Analysis of polyphonic compositions. Prerequisite: MUS 212.

312. COUNTERPOINT II

2 semester hours

Baroque counterpoint in two-, three- and four- parts, with application to various types of vocal and instrumental writing. Analysis of contrapuntal compositions. Prerequisite: MUS 311.

313. FORM AND ANALYSIS

2 semester hours

Acquaints the student with the standard forms of tonal music through the aural and visual study of micro and macro forms in scores of representative works. Prerequisite: MUS 212.

411. INSTRUMENTAL AND CHORAL ARRANGING

2 semester hours

Exploration of the technical possibilities and limitations of individual instruments and voices; arranging and transcribing for various groups and combinations of instruments and voices. Prerequisite: MUS 212.

412. COMPOSITION

2 semester hours

Designed to explore the various approaches in composition in the 20th century, tonal as well as atonal, through analysis and synthesis in writing exercises. Attention is given primarily to composition in the small forms with emphasis upon statement and development within these forms. Prerequisite: MUS 411.

413. TWENTIETH CENTURY TECHNIQUES

2 semester hours

A study of the changes which have taken

place in music of this century. Techniques to be studied include atonality, polytonality, serialism, integral serialism, dodecaphony and electronic music.

Literature and History

216. THE RUDIMENTS OF MUSIC

3 semester hours

Students in this class will become familiar with the materials which form the basis of music. This will include the study of instruments, notation, and terminology. Hands-on application will include the learning of elementary keyboard skills, basic performance on rhythm instruments, composing simple music compositions, and conducting. This will be accomplished through a series of exercises, readings, outside class activities, and class participation.

217. INTRODUCTION TO MUSIC

3 semester hours

Designed for the non-major, this course examines the manipulation of sound, silence and time to create "music." Attention is given to contemporary and classical forms and idioms.

303. MUSIC HISTORY FOR THE LIBERAL ARTS STUDENT

3 semester hours

The intention of this course is to provide non-music majors with improved listening skills in order to enhance musical enjoyment, to provide a basic knowledge of music styles and events, with the focus on placing this knowledge in the greater historical context of world events and trends. In this course the student will become familiar with selected personalities and works in the world of classical music.

315, 316. HISTORY OF MUSICAL STYLES AND STRUCTURES

3 semester hours each semester

A survey of the traditions, technical elements, composers and prime movers in the changing styles of western music from ancient Greece to the present. Prerequisite: MUS 212.

318. HISTORY OF JAZZ

3 semester hours

A study of people, times and development of the jazz entertainment form by examining the musical derivatives of jazz and the elements which comprise the individual styles as they have evolved since 1885.

Music Education. The following Methods courses are required of all Music majors seeking certification for the teaching of music in the public schools.

361. PERCUSSION TECHNIQUES

1 semester hour

362. BRASS TECHNIQUES

1 semester hour

363. WOODWIND TECHNIQUES

1 semester hour

365. STRING TECHNIQUES

1 semester hour

366. CONDUCTING

2 semester hours

Development of skill in baton techniques, rehearsal techniques and interpretation in training and leading ensembles of instruments and voices.

368. MUSIC IN THE ELEMENTARY SCHOOL

2 semester hours

This course provides the Elementary Education major with the concepts of music and the methods for implementing musical activities in the classroom. Enrollment is limited to the Elementary Education majors with EDU 211, 281.

461. MUSIC EDUCATION IN THE PUBLIC SCHOOLS

3 semester hours

A study of methods and materials suitable for the elementary, middle and senior school levels.

481. INTERNSHIP IN MARCHING BAND

3 semester hours

Students in this class will become familiar with modern high school marching band drill and design. By working in conjunction with local high school band directors, students will learn and study all the various aspects integral to the organization and presentation of a half-time show for a high school football game. Topics will include drill design, uniform management, music selection, contest preparation, rehearsal technique, administrative duties, instrumental purchase and repair, and how to deal with booster organizations.

*Ensembles***101. WIND ENSEMBLE***1 semester hour*

Open to all students.

102. CHOIR*1 semester hour*

Open to all students.

103. ORCHESTRA*1 semester hour*

By audition.

104. JAZZ ENSEMBLE*1 semester hour*

By audition.

105. CHAMBER SINGERS*1 semester hour*

By audition.

106. CHAMBER ENSEMBLE*1 semester hour*

By audition.

107. ÉLAN*1 semester hour*

By audition.

108. PERCUSSION ENSEMBLE*1 semester hour*

By audition.

*Other Offerings***251. MUSIC STUDIES IN ENGLAND***3 semester hours*

A study-tour of England with emphasis on theatres, concerts and places of cultural importance. Winter term only.

360. METHODS AND MATERIALS OF PIANO PEDAGOGY*2 semester hours*

Designed for students interested in teaching piano in a private studio. This course includes exploring class, group and individual instructional techniques for beginning and intermediate students, suitable repertoire, basic keyboard musicianship, and pupil psychology.

471. SEMINAR: SPECIAL TOPICS*1-3 semester hours*

Small group study under the guidance of a member of the staff.

491. INDEPENDENT STUDY*1-3 semester hours***495. SENIOR SEMINAR***3 semester hours*

This course will provide a capstone experience for majors in Music, Music Theatre, and Theatre Arts. The course includes a comprehensive evaluation of the student's previous education within the major field, a major project to demonstrate proficiency in the student's major area of interest or emphasis, and preparation of materials necessary for enrollment in graduate school or the profession.

*Music Theatre**Chair, Department of Fine Arts:*

Professor Myers

Professor: Bragg

Assistant Professors: Rubeck,
McNeela, Drtina, Wellford

A major in Music Theatre requires Dance 104, 105, 112, 113, a choice of 201, 202, or 203, and 366; Music 111, 112, 113, 114, 154 and 155 or proficiency, and six semester hours of private voice lessons along with Theatre 220, 320; Music Theatre 311, 312, 321, and 495 are required. Participation in a vocal or dance ensemble, or theatre production each semester in residence is required.

311. HISTORY OF MUSIC THEATRE*3 semester hours*

This course will explore the origins and development of Music Theatre, its theatrical conventions, and major elements.

312. MUSIC THEATRE LITERATURE*3 semester hours*

This course will expose the students to the "staples" of the music theatre literature. To develop a critical sensitivity to the medium and to be able to analyze music, plots, characters and situations in contemporary music theatre.

321. PERFORMANCE FOR MUSIC THEATRE

3 semester hours

This performance oriented course is designed to provide a step-by-step approach to achieving a high level of singing-acting skills.

495. SENIOR SEMINAR

3 semester hours

This course will provide a capstone experience for majors in Theatre Arts and Music Theatre. The course includes a comprehensive evaluation of the student's previous education within the major field, a major project to demonstrate practical proficiency in the student's major area of interest/emphasis, and preparation of materials necessary for enrollment in graduate school or the profession.

Philosophy

Chair, Department of Philosophy:

Professor Sullivan

Associate Professor: Weston

Assistant Professor: Batchelor

Part-time Instructor: Lubling

A major in Philosophy requires Philosophy 111, 113, 115; three courses from Philosophy 341, 342, 343, 344, 345, 352, 355; three courses from Philosophy 331, 332, 333, 431, 432; the senior tutorial, Philosophy 461; and six semester hours in one foreign language at the 111 level or above. The philosophy program is designed to allow and encourage a major to gain a career-related minor or even a double major.

A minor in Philosophy requires Philosophy 111, 113, and 115, plus nine semester hours of additional Philosophy courses.

111. INTRODUCTION TO PHILOSOPHY

3 semester hours

Introduces students to the philosophical approach to an understanding of their world and the basic human experience. Examines and formulates specific contemporary problems and analyzes them in terms of the concepts and approaches of major philosophers.

113. LOGIC

3 semester hours

A practical course in the art of thinking based upon an examination of the different types of reasoning and the requirements of logical consistency.

115. ETHICS

3 semester hours

A critical study of the principles of morality based upon the classical system of ethics. Application of these principles is made to specific situations in which moral choices are made by individuals and policy-making bodies.

331. ANCIENT PHILOSOPHY

3 semester hours

A study of the beginning of Western philosophy with concentration on the Golden Age of Greece. Focus is on Socrates, his predecessors, and his great successors, Plato and Aristotle.

332. MEDIEVAL PHILOSOPHY

3 semester hours

Designed to aid the student to enter into the world view of the period 400-1400 A.D. Includes an exploration of the medieval sense of hierarchy as evidenced in the doctrine of the Great Chain of Being. Special attention is given to such figures as Augustine in the early period; Bernard and Abelard in the 12th century; and Bonaventure and Aquinas in the 13th century.

333. MODERN PHILOSOPHY

3 semester hours

Focus on the four crucial centuries (1500-1900) during which the modern Western world view developed. Specific attention is given to developments in philosophical method, theory of knowledge and political philosophy. Major English and Continental thinkers such as Descartes, Locke, Hume, Kant, Hegel and Mill are studied.

341. PHILOSOPHY OF LAW

3 semester hours

A basic examination of the nature, function and limits of law. Attention is given to human rights and natural justice, law and morality, theories of punishment and questions of legal responsibility. The course is of particular interest to students of business and political science.

342. PHILOSOPHY AND SOCIETY*3 semester hours*

A philosophical approach to the nature of society, looking toward the 21st century. Attention is given to the nature of the person; the relation of the person to social institutions; and the problems which arise in scientific methods when persons are the object of investigation.

343. AGES AND STAGES OF LIFE*3 semester hours*

A critical study of how fundamental life issues are understood and coped with at different points in a person's life history. The course utilizes theories from the Piagetian and psycho-analytic traditions, examines underlying notions of maturity, and seeks ways to integrate the intellectual, emotional, moral and spiritual dimensions of growth.

344. PHILOSOPHY OF SCIENCE*3 semester hours*

The course is designed to promote the intelligent, critical assimilation of scientific information through development of a general framework for the analysis of scientific claims. The course will examine the differences between well-supported scientific results and pseudo-scientific claims, and will devote particular attention to problems in theory-testing and in ascertaining causal relations. Prerequisites: PHL 113 or permission of instructor.

345. PHILOSOPHICAL PERSPECTIVES IN FEMINISM*3 semester hours*

Examination of various theories of feminism with special attention given to moral issues of justice and equal rights, sex and sex roles, abortion, equal opportunity, affirmative action, and other feminist issues.

352. EASTERN PHILOSOPHY*3 semester hours*

Part I centers on ancient China and explores the I Ching as well as the thought of Lao Tzu and Confucius. Part II examines the insight of the Buddha and follows the Mahayana strand of Buddhism as it enters China and becomes Zen. Part III examines the spirit of Zen and its influences on the arts and culture of Japan.

355. PHILOSOPHY OF RELIGION*3 semester hours*

A discussion of the basic problems of thought

which arise from confronting the beliefs and experiences of religious persons. What are the distinguishing characteristics of religion? Can religious feelings and insights be expressed in common language? By what criteria can conflicting religious beliefs be judged? (PHL 355 is the same as REL 355.)

431. CONTEMPORARY PHILOSOPHY*3 semester hours*

Designed to acquaint students with currents of philosophical thought in the 20th century and to develop the skills of inquiry appropriate to these areas. Surveys the changing landscape of philosophy in this volatile century and introduces students to some of the key figures who have shaped that landscape.

432. AMERICAN PHILOSOPHY*3 semester hours*

Focuses on the rich heritage of American philosophical thought from native American and colonial thinkers to the Golden Age of Harvard (James, Pierce, Royce) at the beginning of this century. No prerequisites, but some background in philosophy is strongly recommended.

461. SENIOR TUTORIAL*2 semester hours*

The senior tutorial, conducted by a director of studies in collaboration with the full department, will provide for a systematic review of ethics, logic and the history of philosophy. Attention will be paid to content and skills. Graduating seniors will take this tutorial in the fall of their senior year. Philosophy majors only.

471. SEMINAR: SPECIAL TOPICS*3 semester hours***491. INDEPENDENT STUDY***1-3 semester hours*

Physical Education

The health and physical education programs are listed under Health, Physical Education and Leisure/Sports Management.

Physics

Chair, Department of Physical Sciences: Professor F. Harris
Associate Professor: Agnew
Assistant Professors: Wright, Yasmin

A major in Physics requires Physics 113, 114, 115, 116, 213, 214, 215, 421, 422; 12 additional semester hours of Physics at the 300-400 level; Mathematics 121, 221, 321 and 421.

A minor in Physics requires Physics 113, 114, 115, 116, 213, 214, 215, and at least three semester hours at the 300-400 level.

101. BASIC CONCEPTS OF PHYSICS

3 semester hours

Designed to meet partially the general requirements of the College. Topics from mechanics, thermodynamics, electricity and magnetism, wave motion, and atomic structure. No credit given to students having prior credit for Physics 111.

102. FUNDAMENTALS OF ASTRONOMY

3 semester hours

Designed to meet partially the general requirements of the College. Topics to include celestial motions, astronomical tools, the solar system, stars and stellar evolution, cosmological models.

103. BASIC CONCEPTS IN GEOLOGY

3 semester hours

A topics approach which includes the nature and origin of rocks and minerals; origins of mountains; soil development, evolution of the landscape. Three class hours.

104. LAB FOR BASIC CONCEPTS IN GEOLOGY

1 semester hour

This course provides the lab experience for and is to be taken concurrently with PHY 103. Two laboratory hours.

107. CONCEPTUAL PHYSICS LAB

1 semester hour

Laboratory experiences to complement Physics 101. Physics 101 and 107 are required to satisfy the general studies requirement in Analysis.

108. ASTRONOMY LAB

1 semester hour

Laboratory experiences to complement Physics 102. Physics 102 and 108 are required to satisfy the general studies requirement in Analysis.

111, 112. GENERAL PHYSICS I AND II

3 semester hours each semester

An introductory course including topics from mechanics, thermodynamics, electricity, magnetism, optics, atomic and nuclear physics. Taken concurrently with PHY 115, 116.

113, 114, 213. GENERAL PHYSICS I, II AND III WITH CALCULUS

3 semester hours each semester

Survey courses of an introductory nature designed for physical science majors and pre-engineering students. Physics 113 includes topics in classical mechanics and thermodynamics; 114 includes topics from electricity, magnetism, and optics; and 213 covers diffraction, relativity, quantum physics, and nuclear physics. Corequisite: either MTH 121, 221 or permission of instructor.

115, 116, 215. GENERAL PHYSICS LABS I, II AND III

1 semester hour each semester

Laboratory experiences for Physics 111, 112 or 113, 114, 213.

214. MATHEMATICAL PHYSICS

3 semester hours

Designed for all Physics majors, this course involves a study of several topics in applied mathematics. Topics include vector and tensor analysis, linear differential equations, matrix methods, numerical methods, and complex variable theory. Prerequisites: PHY 113, 114, 213.

301, 302. MECHANICS AND HEAT

3 semester hours each semester

An introduction to classical mechanics and thermodynamics. Topics include kinematics, Newton's Laws of Motion, harmonic motion, central forces, rigid body motion, and the First and Second Laws of Thermodynamics. Prerequisites: PHY 113, 114.

311, 312. ELECTROMAGNETISM AND OPTICS

3 semester hours each semester

Fundamental concepts of electromagnetism. Electric and magnetic fields; Maxwell's equa-

tions; electromagnetic radiation; and geometrical and physical optics are topics to be included. Prerequisites: PHY 113, 114.

391. INDEPENDENT STUDY

1 or 2 semester hours each semester

Library and/or laboratory research by the individual student. Open to students at all levels. Prerequisite: Permission of Physics staff. Maximum total credit, eight semester hours.

411, 412. MODERN PHYSICS

3 semester hours each semester

First semester to include early quantum theory and special relativity, statistical mechanics, atomic and nuclear physics. Second semester devoted to quantum mechanics and applications to atomic and nuclear systems. Prerequisites: PHY 113, 114.

441, 422. ADVANCED LABORATORY

1 semester hour each semester

Experiments in mechanics, thermal physics, electromagnetics, optics and atomic and nuclear physics designed to demonstrate physical phenomena, introduce research techniques, and provide training in the careful measurements of physical quantities. Three laboratory hours per week. Senior physics majors only.

481. INTERNSHIP IN PHYSICS

1-3 semester hours

Political Science

Chair, Department of Political Science and Public Administration:

Professor Taylor

Professors: Zarzar, C. Brumbaugh

Associate Professor: Anderson

Part-time Instructors: Agyeman-Duah, Craig, Long

A major in Political Science requires Political Science 131, 232 or 211, 241 or 331, 352 or 353, 471; Social Science 285; Information Systems 116; Economics 201; History 211, 212; and 18 additional hours in Political Science.

A minor in Political Science re-

quires Political Science 131, 232 or 211, 241 or 331, 352 or Social Science 285; and six additional hours in Political Science.

A minor in International Studies requires 21 semester hours of course work. The required core is 12 semester hours consisting of Political Science 241, Geography 131, Sociology 212, one 300-400 level course in non-United States history and one course in foreign language of the 200 level or above. Electives include nine semester hours from two different disciplines. These electives are (a) foreign language at the 200 level or above, (b) study abroad experience (winter, semester, summer), or (c) courses at the junior/senior level whose emphasis is not United States and 20th century in content.

131. INTRODUCTION TO AMERICAN GOVERNMENT

3 semester hours

A study of the structure and functioning of the national government, including its constitutional basis; the system of separation powers, checks and balances, operation of the executive, legislative, and judicial branches.

211. INTRODUCTION TO PUBLIC ADMINISTRATION

3 semester hours

(Same course as PA 211. See PA 211 for description.)

232. STATE AND LOCAL GOVERNMENT IN THE UNITED STATES

3 semester hours

A study of the structure and functioning of the state and local government and its role within the federal system.

241. INTERNATIONAL RELATIONS

3 semester hours

A study of analysis of the basic factors which determine international politics and relations among the nations including the practice of diplomacy, the development of the nation-state system, international law, and international cooperation and organization.

311. PUBLIC POLICY*3 semester hours*

(Same course as PA 311. See PA 311 for description.)

331. COMPARATIVE POLITICS*3 semester hours*

A comparative study of major political systems.

341. UNITED STATES FOREIGN POLICY TO 1939*3 semester hours*

(Same as course HST 341. See HST 341 for description.)

342. UNITED STATES FOREIGN POLICY SINCE 1939*3 semester hours*

A study of the foreign relations, foreign policy and international politics of the U.S. since 1939. Prerequisite: PS 131 or permission of instructor. (PS 342 is the same as HST 342.)

343. THE AMERICAN PRESIDENCY*3 semester hours*

A study of the contemporary presidency, with emphasis on the organization of the office, its relationship with other structures in American politics and its role in the policy-making process.

352. POLITICAL THOUGHT*3 semester hours*

A survey through the 19th century of the normative, empirical and ideological systems of thought as reflected in some of the world's great political thinkers. Attention is given to how these systems of thought contribute to contemporary politics and events. Prerequisite: Junior or senior standing, or by permission of instructor.

353. MODERN POLITICAL THOUGHT*3 semester hours*

A study and analysis of the major political concepts and ideas, including the great issues of politics from the 19th century to the present day, using both behavioral and non-behavioral methodological approaches. Prerequisite: Junior or senior standing, or permission of instructor.

354. POLITICAL SOCIALIZATION*3 semester hours*

The study of the ways in which society transmits its political culture from generation to generation. Methods will include the use of computers to test models of the political socialization process.

356. DEMOCRACY AND TOTALITARIANISM*3 semester hours*

An examination of the origins, development and characteristics of democratic and totalitarian ideas and institutions. Prerequisite: Junior or senior standing, or by permission of instructor.

357. ELECTORAL BEHAVIOR*3 semester hours*

A study of the electoral process and an analysis of the determinants of voting behavior.

358. PARTIES AND INTEREST GROUPS*3 semester hours*

A study of the development, organization, functions and problems of political parties and interest groups and the role they play in elections and the policy making process.

362. TOPICS IN THIRD WORLD POLITICS*3 semester hours*

Study of selected topic pertinent to Third World politics.

375. CONSTITUTIONAL LAW I*3 semester hours*

This course will focus on American Constitutional Structures: Separation of Powers and Federalism. The primary teaching method will be the Case approach to explore these areas of Constitutional Law. Prerequisite: PS 131.

376. CONSTITUTIONAL LAW II*3 semester hours*

This course will focus on individual rights which are guaranteed by the American Constitutional Structures: Civil Rights and Civil Liberties. The primary teaching method will be the Case approach. Prerequisite: PS 131.

420. WORKSHOP IN POLITICS*3 semester hours*

Personal experience in the political system of the U.S. is gained through active participation in a political campaign. Each student is required to work as an intern for a candidate or political party of his own choosing. Regular

seminars are held to exchange views and compare election and electioneering theory with the students' experience. Normally offered during the fall semester of election years.

441. WAR, PEACE AND CONFLICT RESOLUTION

3 semester hours

An examination of the various theories of war and peace. Particular attention is given to the causes of war and the various approaches to peace. Prerequisite: Junior or senior standing or permission of instructor.

471. SEMINAR: SPECIAL TOPICS

3 semester hours

481. INTERNSHIP IN POLITICAL SCIENCE

1-3 semester hours

Prerequisite: PS 131.

491. INDEPENDENT STUDY

1-3 semester hours

Psychology _____

Chair, Department of Psychology:

Professor Granowsky

Associate Professors: Higgs, Pickens

Assistant Professors: Fromson,
McClearn, Pullium, Green

A major in Psychology requires: Psychology 211; Mathematics 265 and Psychology 301, 461; plus 27 semester hours from Psychology courses and/or Human Services 431, 435.

A minor in Psychology requires Psychology 211, plus 18 semester hours selected from Psychology courses and/or Human Services 431, 435.

The Psychology Department offers a special track leading to graduation with distinction in the major. Students with an overall GPA of 3.0 or better and a GPA of 3.2 or better in the major at the end of their sophomore year are eligible. Interested students should consult the Psychology Department Chair.

211. GENERAL PSYCHOLOGY

3 semester hours

An overview of the facts and principles of learning, motivation, personality, abnormal behavior, human development, biobehavioral relations, and social interaction.

221. INTRODUCTION TO BIOPSYCHOLOGY

3 semester hours

This course explores the biological foundations of such aspects of behavior as learning and memory, movement, sleep, eating and drinking, and emotion, as well as abnormal conditions such as schizophrenia and depressions. This course is intended for both majors and interested non-majors.

233. DEVELOPMENTAL PSYCHOLOGY

3 semester hours

This course explores the theories, principles, and empirical study of human development. Emphasis is placed on exploring cognitive, physical, social and emotional development as the child grows from the preschool years through adolescence.

301. EXPERIMENTAL PSYCHOLOGY

4 semester hours

An introduction to methods and techniques for conducting research in psychology. Goals include learning how to ask an answerable question, to develop an experimental design, to analyze data, and to report findings. Course includes a laboratory experience. Prerequisites: PSY 211, MTH 265.

305. APPLIED PSYCHOLOGY

3 semester hours

This course provides an overview of several fields in which psychological principles and techniques are applied to human problems. These fields include health, industrial/organizational, consumer, clinical, and school psychologies, and psychology and law. Prerequisite: PSY 211.

313. HUMAN SEXUALITY

3 semester hours

A comprehensive study of biological and cultural sexuality focused within both the cognitive and affective domains. Topics of study include male and female physiology, pregnancy, childbirth, sexually transmitted diseases, contraception, sex roles, intimate relationships, parenting and deviant sexual behavior. Prerequisite: PSY 211 or 233.

15. PSYCHOLOGY OF WOMEN*3 semester hours*

This course will explore the psychological aspects of the issues and events of the female experience.

21. EDUCATIONAL PSYCHOLOGY*3 semester hours*

Psychological principles involved in the process of teaching and learning, the nature of intelligence, motivation, individual differences, and motivational influences; the evaluation of learning.

23. SOCIAL PSYCHOLOGY*3 semester hours*

This course explores ways in which people influence one another's behavior and beliefs. Various theoretical and methodological issues will be presented, as will specific topics such as altruism, aggression, attitudes, attributions, conformity, and persona perception. Prerequisite: PSY 211.

32. PSYCHOLOGY OF EXCEPTIONALITY*3 semester hours*

The study of the origins, symptoms and sequences of development of exceptional children who are emotionally, physically or mentally handicapped and those who are gifted and talented. Prerequisite: PSY 211 or 233.

33. ABNORMAL BEHAVIOR*3 semester hours*

An overview of behavioral pathology including a historical perspective of the treatment of individuals and discussion of the etiology, dynamics and modification of abnormal behavior. Prerequisite: PSY 211.

43. PERSONALITY*3 semester hours*

A survey of the major theories of personality, including psychoanalytic, social psychological, phenomenological, humanistic, cognitive, behavioral, and biological theories. Prerequisite: PSY 211.

53. MOTIVATION AND EMOTION*3 semester hours*

An analysis of the biological, cognitive, and social bases of human motivation and emotion and their role in such areas of behavior as: hunger and thirst, sex, sleep and arousal, aggression and altruism, addiction and depression, achievement and creativity. Prerequisite: PSY 211.

361. ANIMAL BEHAVIOR*3 semester hours*

This course will investigate the behavior of different types of animals, taking into account aspects of physiology, development, evolution, and adaptation. Much emphasis will be placed on various specialized structures and abilities, which may or may not be present in humans, that confer selective advantages upon their possessors. It is hoped that the student will gain an appreciation for the complexity and diversity of animal life, especially of course, with respect to behavior. Prerequisite: Three courses in either psychology or biology.

362. CHEMISTRY AND BEHAVIOR*3 semester hours*

This course will investigate the ways in which human behavior is affected by chemical processes. Initially, the fundamentals of brain chemistry (including the ability of brain cells to communicate with each other) will be presented. There will be discussion of the effects of various substances, such as drugs (both licit and illicit), hormones, nutrients and pollutants on brain chemistry and the resulting alterations in perception, mood and behavior. Also to be covered are chemical abnormalities and treatments associated with various mental pathologies (for instance, schizophrenia and depression). Prerequisite: PSY 211 or BIO 111 or CHM 111.

363. INDUSTRIAL ORGANIZATION PSYCHOLOGY*3 semester hours*

This course concerns the application of psychology to human behavior at work and in organizations. Topics will include personnel testing, selection, and training; organizational communication, leadership and motivation; and outcomes including work performance, absenteeism, turnover, job satisfaction and commitment. Prerequisite: PSY 211.

371-379. SPECIAL TOPICS IN PSYCHOLOGY*3 semester hours*

These courses present a rotating series of special topics in psychology. Among the offerings are: issues in gerontology; cross-cultural psychology; social cognition; topics in neuroscience; language development; developmental psychopathology; developmental biopsychology; cognitive development. Prerequisite: PSY 211.

411. PSYCHOLOGICAL MEASUREMENT*3 semester hours*

A survey of the techniques, uses, and importance of testing and measurement in the counseling and educational process. Particular emphasis is placed upon providing the student with experience in understanding and critically evaluating standardized tests. Prerequisites: PSY 211, plus nine additional semester hours in psychology.

421. ADVANCED PERSONALITY THEORY*3 semester hours*

An examination of the major theoretical approaches to personality. Emphasis will be concentrated on the underlying assumptions and theoretical concepts of these approaches. Prerequisites: PSY 211, 343, and six additional hours in psychology.

431. THEORIES OF LEARNING AND COGNITION*3 semester hours*

An in-depth survey of the major theories of learning from the early connectionist theories to the more contemporary cognitivist theories. Prerequisites: PSY 211, plus nine additional semester hours in psychology.

461. SENIOR SEMINAR: ADVANCED EXPLORATIONS IN PSYCHOLOGY*3 semester hours*

This capstone course in the major provides an in-depth analysis of the development and current status of the research base across the major domains of psychology. Students will conduct a major literature review of the research in their chosen topic. In addition to their written literature review, students will develop a lecture on their topic to present to students in appropriate sections of 200 level courses. As part of the course requirements students must take the ETS Major Field Achievement Test in Psychology and achieve a satisfactory score. Prerequisite: Senior psychology major.

462. SENIOR THESIS*3 semester hours*

This course provides the advanced student the opportunity to complete an independent, original piece of empirical research in psychology. Students will meet to present and critique one another's ideas at each stage of the research process: topic development, selection of methods, analysis of data, and discussion of findings. Students will present their final report in both standard written form and in an appropriate

forum for oral presentation. Students may also assist in conducting the PSY 301 lab. Prerequisite: Senior psychology major or by permission of instructor.

463. SENSATION AND PERCEPTION*3 semester hours*

This course will address topics concerning human and animal sensory/perceptual experience. Topics will include research methodology, theoretical issues, structural and functional characteristics of sensor/perceptual systems, and several perceptual phenomenon ranging from depth and pain perception to color and pitch perception. Suggested preparation: PSY 221. Prerequisite: PSY 211 and junior or senior standing.

471. SPECIAL TOPICS*3 semester hours***481. INTERNSHIP IN PSYCHOLOGY***1-3 semester hours*

This course provides the opportunity for the upper-level student to apply psychological theories and techniques to actual experiences in the field. Up to three semester hours of internship may be applied to meeting major requirements. Prerequisite: Majors only, faculty approval.

491. INDEPENDENT STUDY*1-3 semester hours*

Public Administration

Chair, Department of Political Science and Public Administration:
Professor Taylor

Associate Professor: C. Brumbaugh

A major in Public Administration requires Public Administration 211, 311, 431, 471; Political Science 131, 232, Social Science 285; Accounting 201; Economics 201; and Information Systems 116. Additional requirements are 12 semester hours chosen from the following: Public Administration courses; Communications 210; Economics 301, 313, 332; Business Administration 323 or 303; 425; Health Physical Education, and Leisure/

Sports Management 327, 425; and Political Science 343, 420.

A minor in Public Administration requires Public Administration 211, 431; Social Science 285; Political Science 131; and Business Administration 323 or 303, and 425.

211. INTRODUCTION TO PUBLIC ADMINISTRATION

3 semester hours

A study of the basic principles of organization, location of authority, fiscal management, personnel management, and forms of administrative action in the public service.

311. PUBLIC POLICY

3 semester hours

A study of policy-making and the implementation of policies in government, with emphasis on the role of the bureaucracy in this process.

351. PROBLEMS AND ISSUES IN PUBLIC ADMINISTRATION

3 semester hours

A study of major current problems and issues in public policy-making and administration, including crime, energy, equality, ethics in government, inflation, poverty, and protection of the environment. Prerequisite: PA 211.

431. POLICY ANALYSIS AND PROGRAM EVALUATION

3 semester hours

An examination of two aspects of the policy process for the decision-maker: Policy Analysis, which precedes program implementation and attempts to influence the decision-making; and Program Evaluation, which is a method of determining the degree to which a program is meeting its objectives and the effects created by the program. Prerequisite: PA 211, SS 285.

471. SEMINAR: SPECIAL TOPICS

3 semester hours

Advanced topics selected to meet the needs of the students who have completed most of their study in Public Administration. Open to seniors majoring in Public Administration, Political Science, History, or with permission of instructor.

481. INTERNSHIP IN PUBLIC ADMINISTRATION

1-6 semester hours

Prerequisites: PA 211 plus three semester hours in public administration or political science.

491. INDEPENDENT STUDY

1-3 semester hours

Religious Studies

Chair, Department of Religious Studies: Professor Chase

Professors: W. Rich, Pace

Associate Professors: Wilson, Pugh

Assistant Professors: McBride, Chakrabarti

A major in Religious Studies requires 45 hours: Religious Studies 111, 112, 121, 131, 141, 492; 21 semester hours of additional Religious Studies courses (at least 18 semester hours at the 300-400 level), and six semester hours of a foreign language at the 111 level or above. Greek 111, 112 are recommended for all Religious Studies majors, and Greek 211, 212 may be substituted for Religious Studies courses with departmental approval.

A minor in Religious Studies requires 18 semester hours of Religious Studies courses, with at least nine of these semester hours taken in junior/senior level courses.

111. INTRODUCTION TO THE OLD TESTAMENT

3 semester hours

The history, literature and religion of the Hebrew people as viewed against the background of ancient Near Eastern culture.

112. INTRODUCTION TO THE NEW TESTAMENT

3 semester hours

The rise and development of Christianity and its literature.

121. WORLD RELIGIONS

3 semester hours

The origin, historical development and beliefs of selected religious traditions.

131. RELIGIOUS THINKING*3 semester hours*

An introduction to the study of religion including religion and society and the diversity in religion.

141. RELIGIOUS VALUES AND DECISION-MAKING*3 semester hours*

An introductory study of practical religious values, their relationship to the decision-making process, and the dimensions of the decision-making process itself. Fundamental values of the Judeo-Christian tradition are explored.

181. RELIGIOUS VALUES INTERNSHIP*1 semester hour*

An optional one semester hour internship may be offered on occasion in conjunction with Religious Values.

251. RELIGION STUDIES ABROAD*3 semester hours*

Study-tours in England and the Middle East (Israel, Egypt and Jordan). Winter term only.

321. ARCHAEOLOGY OF THE ANCIENT NEAR EAST*3 semester hours*

A survey of major archeological research as it relates to the Near East, with particular emphasis on Egypt, Palestine and Mesopotamia. Prerequisite: Junior or senior status or permission of instructor.

322. OLD TESTAMENT PROPHETS*3 semester hours*

A study of the background, personal characteristics, function, message and present significance of the Hebrew prophets. Prerequisite: Junior or senior status or permission of instructor.

323. WISDOM LITERATURE*3 semester hours*

This course examines the nature, history, and content of Old Testament Wisdom literature: Proverbs, Job, Ecclesiastes, and some Psalms. Current views of Old Testament scholars are also examined. Prerequisite: Junior or senior status or permission of instructor.

326. THE WRITINGS OF PAUL*3 semester hours*

An analysis of major motifs of Paul's theology by means of an interpretation of his New

Testament writings. Prerequisite: Junior or senior status or permission of instructor.

327. THE GOSPEL OF JOHN*3 semester hours*

A study of the key motifs in the theology of the Gospel of John. Special emphasis on the sources, the various stages of composition and the literary and rhetorical characteristics. Prerequisite: Junior or senior status or permission of instructor.

328. THE SYNOPTIC GOSPELS*3 semester hours*

A study of the origin, composition, form, content and theological perspective of Mark, Matthew, and Luke. Prerequisite: Junior or senior status or permission of instructor.

334. MODERN RELIGIOUS THINKERS*3 semester hours*

An examination of the theologies of selected major thinkers in the Judeo-Christian tradition. Prerequisite: Junior or senior status or permission of instructor.

336. LIFE AND THOUGHT OF THE CHRISTIAN CHURCH*3 semester hours*

This course examines the influence of Christianity in a socio-cultural and theological perspective. From its Jewish antecedents to the present day, church personalities, controversies and decisions will be examined. Prerequisite: Junior or senior status or permission of instructor.

338. TYPES OF THEOLOGY*3 semester hours*

Beginning with background in historical theology, the class will study different theological perspectives and developments of the modern world. Prerequisite: Junior or senior status or permission of instructor.

341. CHRISTIAN ETHICS*3 semester hours*

A systematic and biblically based study of the types and principles of Christian ethical theology with special attention to the analysis of select personal and social ethical issues. Prerequisite: Junior or senior status or permission of instructor.

345. THEOLOGY OF HUMAN LIBERATION*3 semester hours*

Analysis of contemporary types of liberation theology such as Third World liberation, Black liberation, women's liberation through a study of significant representative writings.

Prerequisite: Junior or senior status or permission of instructor.

347. WOMEN AND RELIGION*3 semester hours*

A consideration of both the impact which religion past and present has had on women in home, church, and society and the impact which women past and present have had on religion, religious thinking, and religious institutions. Prerequisite: Junior or senior status or permission of instructor.

353. BUDDHIST TRADITION*3 semester hours*

The course aims at giving students a critical understanding of the basic concepts and doctrines of Buddhism. The similarities and contrasts between different major schools of Buddhism will also be considered. Prerequisite: Junior or senior status or permission of instructor.

354. CHINESE RELIGIONS*3 semester hours*

This course aims at a critical analysis of Confucianism, Taoism, and Buddhism. Such topics as shamanism, immortality of body versus soul, Zen, the humanism of Confucius, and Mencius and his thought will be considered. Prerequisite: Junior or senior status or permission of instructor.

355. PHILOSOPHY OF RELIGION*3 semester hours*

(Same course as PHL 355. See PHL 355 for description.)

365. LITERATURE AND THEOLOGY*3 semester hours*

(Same course as ENG 365. See ENG 365 for description.)

471. SEMINAR: SPECIAL TOPICS*1-3 semester hours***481. INTERNSHIP IN RELIGIOUS STUDIES***3 semester hours*

This course provides the opportunity for the upper-level student to apply concepts and

information gained in the religious studies classroom to actual experiences in local community and church agencies. Up to three semester hours of internship may be applied to meeting major requirements. Prerequisite: Junior or senior status, religious studies majors only, faculty approval.

491. INDEPENDENT STUDY*1-3 semester hours*

Individual study of some area of special interest under the guidance of a member of the department. Open only to religion majors or minors who have junior or senior standing or by permission of instructor. Maximum of six semester hours per student.

492. SENIOR SEMINAR*3 semester hours*

Science Education _____

Coordinator: Associate Professor Agnew

In addition to the Education and Psychology courses required of all Secondary Education majors, a major in Science Education requires the completion of one of the certification areas described below.

Secondary Science Comprehensive Certification. Completion of all courses from one of the areas of Biology, Chemistry, or Physics listed below, plus eight semester hours from each of the other two listed areas, Mathematics 111, Geography 121, Physics 102, 103, 104, 108, and Computer Science 220.

Biology: 111, 113, 221, 222, 311, 322, 345, 452

Chemistry: 111, 112, 113, 114, 221 321, 322 323, 324, 411

Physics: 113, 114, 115, 116, 213, 214, 215, and 9 semester hours elected from 300-400 level courses. (Physics 111 or 112 may be elected to satisfy eight semester hours for Biology or Chemistry)

Secondary Science Certification.

Completion of all courses from one of the areas of Biology, Chemistry, or Physics listed below, plus 12 semester hours from one of the other two listed areas, Mathematics 111, (also Math 121 and 221 for Physics option), Geography 121, Physics 102, 103, 104, 108, and Computer Science 220.

Biology: 111, 113, 221, 222, 311, 322, 345, 452

Chemistry: 111, 112, 113, 114, 221, 321, 322, 323, 324, 411

Physics: 113, 114, 115, 116, 213, 214, 215, and nine semester hours elected from 300-400 level courses

Recommended electives for the Science Education major include Mathematics 121 and 265. Secondary Science endorsement requires 18 semester hours from one of the areas of Biology, Chemistry, or Physics.

Social Science _____**Chair, Department of Sociology:**

Professor T. Henricks

A major in Social Science requires Economics 201; Geography 121, 131; History 111, 112; Political Science 131, 241; Psychology 211; Sociology 111, 112; Social Science 285; Mathematics 265; plus 18 semester hours (12 from 300-400 level) in one of the following areas (concentrations): Geography, History, Political Science, Public Administration, Psychology, Sociology and Economics. Specific concentration course requirements may be stipulated.

In addition to the Education and Psychology courses required by all secondary majors, a major in Social Science receiving teacher certification

must complete Economics 201; Geography 131 and 311 or 321; History 111, 112, 211, 212; Political Science 131, 241; Psychology 211; Sociology 111, 112; Social Science 285; Mathematics 265; plus 18 semester hours at the 300-400 level from three of the following areas: Geography, History, Political Science, Public Administration; Psychology and Sociology.

285. RESEARCH METHODS*3 semester hours*

Examines basic scientific methods including problems of definition, concept formation, hypothesis testing, explanation and prediction. Included is a critical analysis of research problems which are susceptible to the use of quantitative data.

Sociology _____**Chair, Department of Sociology:**

Professor T. Henricks

Associate Professors: Basirico, Arcaro

Assistant Professors: Bolin, Curry

A major in Sociology requires Sociology 111, 115, 211 or 231, 261, 112 or 212, 461 or 462, 485 plus 12 semester hours of additional Sociology courses; Information Systems 116, Mathematics 265; Social Science 285.

A minor in Sociology requires Sociology 111, 115, 211 or 231, plus nine semester hours selected from Sociology courses.

A minor in Anthropology requires Sociology 112, 212, plus 12 semester hours selected from Sociology 320 329, 345, English 312 and History 335.

III. INTRODUCTORY SOCIOLOGY*3 semester hours*

An introduction to the basic theoretical principles and research methods distinctive of modern sociology. Among the issues considered are the relationship between culture, personality, and society, the fundamental forms

of social structure, social institutions, such as religion and the family; and basic social processes, such as deviance and social change.

112. ANTHROPOLOGY

3 semester hours

An exploration of the meaning of human nature as this has developed over time and is given expression in human societies. Emphasis is placed on the physical evolution of the human species, on methods used to study both physical and social evolution, and on the nature and development of human language.

115. SOCIOLOGICAL INQUIRY

3 semester hours

An introduction to the ways in which sociologists inquire about society. Students will use sociological perspectives and theories to frame researchable questions and discuss ways of collecting and analyzing information. Two special emphases of the course will be techniques of library research and basic fieldwork procedures. Prerequisite: SOC 111.

211. SOCIAL PROBLEMS

3 semester hours

An examination of various public issues which attempts to dispel persistent fallacies regarding these issues and to provide a distinctively sociological framework for such investigations. Course focuses on causes, consequences, and treatment of such problems as poverty, crime, discrimination, mental disorders, drug abuse, violence, and population pressures. Prerequisite: SOC 111.

212. CULTURAL ANTHROPOLOGY

3 semester hours

An analysis of the organization of primitive and traditional societies. Focusing on the concept of "culture," the course describes the theories and methods used by anthropologists studying primitive peoples. Prerequisite: SOC 111 or 112.

31. AMERICAN SOCIETY

3 semester hours

An application of the sociological perspective to major themes in American society. Emphases will include American values and beliefs, patterns and problems of central social institutions, and the connection between public and private life. Prerequisite: SOC 111.

261. SOCIOLOGICAL THEORY

3 semester hours

An exploration of conceptualization and model-building in the development of modern sociology. In considering the historical emergence of different sociological traditions or perspectives, the course will concentrate on the underlying assumptions, historical and intellectual background, and logical consequences of these positions. Prerequisite: SOC 111.

311. THE FAMILY

3 semester hours

An investigation of the family as an institution in societies. Focus is upon both the development of and current patterns of the American family. Specific topics include social class differences, racial and ethnic variations, premarital patterns, marital interaction, family problems, and the future prospects for the family. Prerequisite: SOC 111.

313. CRIME AND DELINQUENCY

3 semester hours

An analysis of juvenile delinquency and adult crime as categories of social behavior. Particular attention is given to the social organization of criminals and to an analysis of the criminal and juvenile justice systems. Prerequisite: SOC 111.

320-321. SPECIAL TOPICS IN ANTHROPOLOGY

3 semester hours

A series of courses reflecting new departments and contributions in anthropology. Prerequisites to be determined by instructor.

322. ETHNOGRAPHY

3 semester hours

A study of the methods anthropologists use to gain access, develop rapport, collect and analyze data, and interpret findings when studying human cultures. In addition, students will read ethnographies of gatherers and hunters, horticulturists, agriculturalists, peasants and herders. Prerequisite: SOC 111 or 112 or permission of instructor.

323. PSYCHOLOGICAL ANTHROPOLOGY

3 semester hours

An exploration of both old and new directions in psychological anthropology. Course will focus on the cross-cultural study of personality including a critical review of the configurational, modal, and national character schools. New approaches include studies in symbolic

interactionalism, stigma, and altered states of consciousness. Prerequisite: SOC 111 or 112 or permission of instructor.

324. ANTHROPOLOGY OF SEX

3 semester hours

A study of human sexuality from a bio-cultural perspective. Course will explore the physiology of human sexuality as well as the cross-cultural context of sexual expression. Themes will include alternative sexual lifestyles, sexual dysfunctions, the symbolic dimensions of sexuality, and AIDS. Prerequisite: SOC 111 or 112 or permission of instructor.

325. CULTURE AND HEALTH

3 semester hours

An examination of the bio-cultural basis of health and illness from the prehistorical past to the present. Topics include the cultural implication of food and food habits, health care practices, the sick role, selected emotional disorders, and folklore regarding health. Prerequisite: SOC 111 or 112 or permission of instructor.

326. CULTURE OF THE CORPORATION

3 semester hours

A study of culture as it is found in complex organizations, specifically corporations. The organization of work in corporate settings is compared to the work experience in a variety of societies. Emphases include motivation, innovation, performance, role definition, and relationship to other spheres of life. Prerequisite: SOC 111 or 112 or permission of instructor.

331. THE SELF AND SOCIETY

3 semester hours

An examination of the ways in which individuals are influenced by their social interaction with others in society. Particular attention is given to the interaction processes in which individuals are socialized and develop an identity, and how individuals' identities enter into their interactions. The nature of interpersonal control is discussed. The sociological perspectives of symbolic interactionism and dramaturgy are explored in depth. Prerequisite: SOC 111.

333. SOCIAL STRATIFICATION

3 semester hours

A study of social differentiation, particularly those differences which result in the ranking systems of power, wealth, and prestige. The

course concentrates on the different positions individuals and groups hold, their corresponding rights and responsibilities, and how those roles influence social action. Emphasis is placed upon institutionalized social inequality within the U.S. Prerequisite: SOC 111.

341. ETHNIC AND RACE RELATIONS

3 semester hours

An analysis of the meaning of minority group status in modern societies both in general terms and also with regard to the more specific problems and prospects featured in the development of various individual groups in American society. Emphasis is placed on the nature of prejudice and discrimination, and strategies toward social equality. Prerequisite: SOC 111.

343. SOCIAL AND CULTURAL CHANGE

3 semester hours

An analysis of social and cultural change in modern societies. Emphasis is given to the various sociological approaches to the study of social change as well as the causes, consequences, and responses to change. Of particular concern is the process of modernization. Prerequisite: SOC 111.

344. SOCIAL DEVIANCE

3 semester hours

An analysis of processes of norm-violation by individuals or groups in society. Emphasis is placed upon the psychological, cultural, and social factors that contribute to deviance in such areas as mental health, alcohol and drug dependence, sexual expression, and acts of violence. Prerequisite: SOC 111.

345. SOCIOLOGICAL PERSPECTIVES ON WOMEN & MEN

3 semester hours

Sociological perspectives, theories, and concepts are used to critically analyze the social meaning of being female and male in American society. Emphasis is placed on analyzing the inequities based upon gender, particularly the problems faced by women. Prerequisite: SOC 111.

461-462. READINGS IN SOCIOLOGY AND ANTHROPOLOGY

3 semester hours

A colloquium considering significant primary readings in sociology and anthropology. Course will explore specific substantive topics, key theoretical issues, and new developments

in the discipline. Prerequisites: Junior or senior standing, SOC 111 or 112, or permission of instructor.

471. SEMINAR: SPECIAL TOPICS

1-3 semester hours

481. INTERNSHIP IN SOCIOLOGY

1-3 semester hours

Limited to three semester hours credit applicable to Sociology major or minor. Prerequisite: Department permission.

485. SENIOR SEMINAR IN SOCIOLOGY

3 semester hours

A capstone experience for sociology majors during their final year of college work. Students will participate in a review and creative synthesis of central themes of the discipline as well as in an evaluation of their sociological skills/knowledge and personal objectives. In addition, each student will develop and present formally a work of original scholarship. Prerequisite: Senior standing as sociology major or permission of instructor.

491. INDEPENDENT STUDY

1-3 semester hours

Theatre Arts

Chair, Department of Fine Arts:
Professor Myers

Assistant Professors: Drtina,
Rubeck, McNeela

A major in Theatre Arts is required to complete the following: Theatre Art 101, 211, 220, 301, 302, 311, 330, 495, plus six semester hours selected from Dramatic Literature in English and nine additional semester hours selected from 300-400 level theatre courses, music theatre courses or dramatic literature in English courses.

A minor in Theatre Arts requires Theatre Arts 101, 211, 220; three semester hours from Theatre Arts 210; and two courses (six semester hours) selected from Theatre Arts courses at the 300-400 level.

101. INTRODUCTION TO THEATRE

3 semester hours

An exploration of the theatre as a dynamic art form and how the author, director, actor and designer work together to create the final project.

204. THEATRE ENSEMBLE

1 semester hour

This course offers students credit for participation in the departmental theatre productions. This course cannot be taken simultaneously with Theatre Workshop. Admission is by audition only. This course may be repeated.

210. THEATRE WORKSHOP

1-3 semester hours

A practicum in all aspects of theatre production. Students must arrange a learning contract with the instructor at the beginning of each term.

211. STAGECRAFT

3 semester hours

The basic theory and practice of set construction, including drafting skills and the basic elements of design. A weekly lab is required.

220. FUNDAMENTALS OF ACTING

3 semester hours

Designed to teach students to express themselves freely in the theatre environment. Objectives are to achieve a comprehension of the nature and the meaning of the dramatic experience, and the sense of the operative theatre.

301. THEATRE HISTORY I

3 semester hours

This course will examine in depth the history of theatre from its origins to the 19th century. Students will gain a solid understanding of its major development, periods, and conventions during this time period.

302. THEATRE HISTORY II

3 semester hours

This course will examine in depth the history of theatre from the 18th century to present day. Students will gain a solid understanding of its major development, periods, and conventions during this time period.

310. ADVANCED PROJECTS IN THEATRE

1-3 semester hours

An advanced practicum in theatre for those students who have significant experience in theatre production through course work or participation in department productions. Students must have permission of instructor.

311. THEATRE DESIGN*3 semester hours*

This course will examine through theory and practice the nature, function and responsibilities of designers in the theatre.

312. LIGHTING DESIGN*3 semester hours*

The theory and practice of the aesthetics of stage lighting design and the process of lighting the stage space.

320. INTERMEDIATE ACTING*3 semester hours*

An exploration of the various techniques of analysis, rehearsal and performance with particular emphasis upon scene study.

330. FUNDAMENTALS OF DIRECTING*3 semester hours*

A study of the work of the theatrical director. With script analysis as the cornerstone of the decision-making process, student will follow the sequence required to produce a play. Prerequisite: TH 210, 220 or permission of instructor.

495. SENIOR SEMINAR*3 semester hours*

A capstone course for the Theatre Arts majors.

Women's Studies

Coordinator: Professor Smith

A minor in Women's Studies requires 15 hours chosen from Women's Studies 211, Economics 317, English 333, History 347, Philosophy 345, Psychology 315, Religion 347, Sociology 345, and Women's Studies 371-79. In addition, Women's Studies 495 is required as a senior seminar.

211. INTRODUCTION TO WOMEN'S STUDIES*3 semester hours*

A survey of some of the major issues affecting women today, such as theories of sex difference, social role expectations, historical precedents for women's current status, and feminist critique of the tradition.

371-379. TOPICS IN WOMEN'S STUDIES*3 semester hours***ECO 317. THE ECONOMICS OF WOMEN***3 semester hours*

(See ECO 317 for description.)

ENG 333. FEMINIST APPROACHES TO LITERATURE*3 semester hours*

(See ENG 333 for description.)

HST 347. HISTORY OF WOMEN IN THE UNITED STATES*3 semester hours*

(See HST 347 for description.)

PHL 345. PHILOSOPHICAL PERSPECTIVES IN FEMINISM*3 semester hours*

(See PHL 345 for description.)

PSY 315. PSYCHOLOGY OF WOMEN*3 semester hours*

(See PSY 315 for description.)

REL 347. WOMEN AND RELIGION*3 semester hours*

(See REL 347 for description.)

SOC 345. SOCIOLOGICAL PERSPECTIVES ON WOMEN AND MEN*3 semester hours*

(See SOC 345 for description.)

481. INTERNSHIP IN WOMEN'S STUDIES*1-3 semester hours*

Work experience in an agency meeting the needs of women. Prerequisite: Two Women's Studies courses and permission of instructor.

495. SEMINAR: FEMINIST STUDIES*3 semester hours*

Seminar in contemporary feminist theory. Students will pursue independent research on historical and contemporary social, political, and literary topics, using a feminist perspective and the resources of scholarship in the disciplines. Prerequisites: Senior standing and three courses in Women's Studies.

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Terms Expiring May 31, 1993

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C. Carl Wood Jr., *Durham, N.C.*

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Noel Lee Allen, *Raleigh, N.C.*
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Maurice Jennings, *Greensboro, N.C.*
Frank R. Lyon III, *New Canaan, Conn.*
Iris McEwen McCrary, *Burlington, N.C.*
J. Hinton Rountree, *Greensboro, N.C.*
Carter M. Smith, *Raleigh, N.C.*

Terms Expiring May 31, 1995

L.M. Baker Jr., *Winston-Salem, N.C.*
Roger Gant Jr., *Burlington, N.C.*
G. Thomas Holmes Jr., *Pinehurst, N.C.*
Robert Model, *Cody, Wyo.*
Thomas E. Powell III, M.D.,
Burlington, N.C.
William D. Ripsey, M.D., *Burlington, N.C.*
Samuel E. Scott, M.D., *Burlington, N.C.*
Rev. W. Millard Stevens, D.D.,
Burlington, N.C.
Zachary T. Walker III, *Greensboro, N.C.*

Terms Expiring May 31, 1996

Hon. Elmon T. Gray, *Waverly, Va.*
Hon. Richard J. Holland, *Windsor, Va.*
R. Leroy Howell, D.D.S., *Suffolk, Va.*
Robert E. LaRose, *Clifton, Va.*
W.E. Love Jr., *Burlington, N.C.*
James W. Maynard, *Burlington, N.C.*
James B. Powell, M.D., *Burlington, N.C.*
Japheth E. Rawls Jr., M.D., *Suffolk, Va.*
A.G. Thompson, *Lincolnton, N.C.*

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 J. Harold Smith, *Trustee Emeritus*
 Royall H. Spence Jr., D.C.S., *Trustee Emeritus*
 Frances C. Wilkins, *Trustee Emeritus*

Faculty, 1991-92

- Jimmie D. Agnew, 1985
Associate Professor of Science Education
 B.A., George Washington University; M.S.S.T., Ph.D., The American University
- Aqueil Ahmad, 1991
Part-time Assistant Professor of Sociology
 B.S., M.S., Ph.D., Aligarh Muslim University, Aligarh, India.
- Mark R. Albertson, 1980
Assistant Professor; Registrar
 B.B.A., Fort Lauderdale University
- J. Wesley Alexander, 1961
Associate Professor of Mathematics
 B.S., M.A., Appalachian State University; M.S., New Mexico State University
- Robert G. Anderson Jr., 1984
Associate Professor of Political Science; Assistant to the President
 B.A., St. Andrews Presbyterian College; M.A., Ph.D., candidate, The American University
- Andrew J. Angyal, 1976
Professor of English
 B.A., Queens College, CUNY; M.A., Yale University; Ph.D., Duke University
- Benjamin R. Ansbacher, 1990
Part-time Instructor in Business Administration
 B.A., Amherst College; M.B.A., Harvard Business School
- Thomas E. Arcaro, 1985
Associate Professor of Sociology
 B.A., Ohio State University; M.S., Ph.D., Purdue University
- Joseph E. Argent, 1991
Part-time Instructor in English
 B.A., M.A., East Carolina University; Ph.D., (in progress), University of North Carolina at Greensboro
- Malvin N. Artley, 1963
Part-time Professor of Music
 B.Mus., Shenandoah Conservatory of Music; M.Mus., Cincinnati Conservatory; D.F.A., Chicago Musical College; Roosevelt University
- Jayne Ann Ausley, 1991
Instructor in Psychology
 B.S., Appalachian State University; M.A., Ph.D. (in progress), University of North Carolina at Greensboro
- Martin H. Baker, 1980
Assistant Professor of Physical Education and Health; Athletic Trainer
 B.S., SUNY at Brockport; M.S., Indiana State University
- William H. Barbee, 1970
Associate Professor of Mathematics
 B.S., Wofford College; M.Math., University of Tennessee; Graduate Studies, University of Georgia
- James L. Barbour, 1990
Associate Professor of Economics
 B.B.A., M.A., Ph.D., University of Kentucky
- Robert W. Barrett, 1991
Part-time Assistant Professor in Education
 A.B., High Point College; M.Ed., University of North Carolina at Greensboro
- Laurence A. Basirico, 1983
Associate Professor of Sociology
 B.A., Hofstra University; M.A., Ph.D., SUNY-Stony Brook

- T. Nim Batchelor, 1990**
Assistant Professor of Philosophy
 B.A., Texas Tech University;
 M.A., Ph.D., University of
 Nebraska
- Kevin C. Batten, 1991**
*Assistant Professor of Military
 Science*
 B.S., University of Vermont
- Robert C. Baxter, 1959**
*Associate Professor of Business Law;
 College Attorney*
 A.B., Elon College; J.D., Duke
 University
- Judith L. Beall, 1991**
Part-time Instructor in History
 B.A., M.A., University of
 California at Berkeley
- Glenda W. Beamon, 1989**
Assistant Professor of Education
 B.A., M.Ed., Ed.D., University of
 North Carolina at Greensboro
- Barry B. Beedle, 1978**
*Associate Professor of Health, Physical
 Education and Leisure/Sports
 Management*
 B.S., M.S., Mississippi State
 University; Ed.D., University of
 Mississippi
- Robert E. Beerman, 1991**
Part-time Instructor in Music
 B.A., University of South Carolina
 at Conway
- Richard H. Behrman, 1987**
*Associate Professor of Business Admini-
 stration; Director of M.B.A. Program*
 B.B.A., Iona College; M.B.A.,
 New York University
- Marielle Belhassen, 1991**
Instructor in Foreign Languages
 First Certificate in English,
 Technical College, London;
 University Degree in English,
 Spanish, Economics, Law and
 Business; Masters in Applied
 Languages, Faculte des Lettres,
 Aix-en-Provence
- W. Jennings Berry Jr., 1957**
*Associate Professor of English;
 Director of Academic Advising*
 A.B. Elon College; M.A.,
 University of North Carolina
- James S. Bissett, 1990**
Assistant Professor of History
 B.A., Oklahoma Baptist University;
 M.A., Western Carolina University;
 Ph.D., Duke University
- Robert G. Blake, 1968**
William S. Long Professor of English
 A.B., Harvard University; M.A.,
 Ph.D., Duke University
- R. Lamar Bland, 1967**
Professor of English
 B.A., Wake Forest University; M.A.,
 University of North Carolina;
 Ph.D., University of North
 Carolina at Greensboro
- Warren L. Board, 1986**
*Professor of Social Science, Provost
 and Senior Vice President*
 B.A., University of Idaho; M.A.,
 University of Denver; Ph.D.,
 Syracuse University
- Anne Bolin, 1988**
Assistant Professor of Sociology
 B.A., M.A., Ph.D., University of
 Colorado, Boulder
- K. Wilhelmina Boyd, 1987**
Assistant Professor of English
 B.A., Bennett College; M.A.,
 North Carolina Central University
- Barry A. Bradberry, 1975**
*Assistant Professor; Associate Dean of
 Admissions and Financial Planning*
 A.A., Chowan College; A.B., Elon
 College; M.Ed., University of
 North Carolina at Greensboro
- David A. Bragg, 1970**
Professor of Music
 B.S., Concord College; M.M.E.,
 Ph.D., Florida State University
- Stephen E. Braye, 1989**
*Assistant Professor of English, Associate
 Director of Writing Program*
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Robert A. Brewer, 1989

*Assistant Professor of Health, Physical
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Wesley G. Brogan, 1979

*Professor of Education and Human
Services; Associate Dean of Academic
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Eugene H. Brooks, 1989

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Chalmers S. Brumbaugh, 1986

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Robert J. Burton Jr., 1986

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*Assistant Professor of Geography;
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- Chandana Chakrabarti, 1990**
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- Carole F. Chase, 1976**
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 of Christian Education; Ph.D.,
 Duke University
- Eric R. Childress, 1989**
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- Margaret C. Ciardella, 1991**
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- Lester R. Coleman, 1989**
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- Patty J. Cox, 1987**
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- Margaret E. Craft, 1990**
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- Robert D. Craig, 1990**
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- David M. Crowe Jr., 1977**
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 Georgia
- Bernard J. Curry, 1991**
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- Linda Cykert, 1989**
Part-time Instructor in Music
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- J. Earl Danieleley, 1946**
Thomas E. Powell Jr. Professor of
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 A.B., Elon College; M.A., Ph.D.,
 University of North Carolina;
 Postdoctoral Study, John Hopkins
 University; Sc.D., Catawba College;
 LL.D., Campbell University
- Robert W. Delp, 1968**
Part-time Professor of History
 B.S., Davidson College; B.D.,
 Lancaster Theological Seminary;
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- Lisa J. Diesslin, 1990**
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- Brian Digre, 1990**
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- Jon A. Drtina, 1988**
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 Francis De Sales; M.F.A.,
 University of Southern Mississippi

- James P. Drummond, 1987**
Associate Professor of Health, Education and Leisure/Sports Management
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- Vivian M. Dula, 1986**
Part-time Instructor in Piano
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- Cynthia A. Dyer, 1990**
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- Alan D. Eastman, 1989**
Instructor in Business Administration and Economics
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- Thomas R. Erdmann, 1989**
Assistant Professor of Music
B.M., State University of New York at Fredonia; M.M., D.M.A., Illinois State University
- Diana Ewell, 1991**
Assistant Professor; Reference/Bibliographic Instruction Librarian
B.A., M.S.L.S., University of Tennessee at Knoxville
- Hugh M. Fields, 1970**
Associate Professor of Biology
B.S., M.S., North Carolina State University; Graduate Studies, University of North Carolina at Greensboro
- Victoria Fischer, 1990**
Assistant Professor of Music
B.M., Centenary College of Louisiana; M.M., University of Texas at Austin; M.A., University of North Carolina at Chapel Hill; D.M.A., University of Texas at Austin
- N. Alston Flynn, 1990**
Assistant Professor of Economics
B.S., College of Charleston; Ph.D., University of South Carolina
- J. Mark Fox, 1990**
Part-time Instructor in Communications
B.A., M.A., University of North Carolina at Chapel Hill; M.Div., Luther Rice Seminary
- Gerald L. Francis, 1974**
Professor of Mathematics and Computing Sciences; Vice President and Dean of Academic Affairs
B.S., M.A., Appalachian State University; Ph.D., Virginia Polytechnic Institute and State University
- Paul M. Fromson, 1986**
Assistant Professor of Psychology
B.A., Amherst College; M.S., Ph.D., George Peabody College for Teachers at Vanderbilt University
- Christopher D. Fulkerson, 1982**
Assistant Professor of Communications, Associate Director of Learning Resources
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- Kathleen K. Gallucci, 1984**
Assistant Professor of Biology, Coordinator of Freshman Biology Labs
B.S., Le Moyne College; M.S., University of North Carolina
- Graham S. Gersdorff, 1991**
Assistant Professor of Mathematics
B.S., University of Toronto, Canada; M.S., Ph.D., Emory University
- Daniel J. Gibney, 1986**
Assistant Professor of Accounting and Business Administration
B.S., Robert Morris College; M.B.A., West Virginia University; C.P.A.

- Gerald M. Gibson, (1979*), 1988**
Assistant Professor of Communications
 B.A., North Carolina State University; M.A., University of North Carolina at Greensboro
- Russell B. Gill, 1976**
Professor of English
 A.B., College of William and Mary; M.A., Ph.D., Harvard University
- Douglas W. Glass, 1991**
Part-time Instructor in Business Administration
 A.S., Lees-McRae Junior College; B.S., Tennessee Tech University; M.B.A., Elon College
- Perry L. Gnivecki, 1991**
Part-time Assistant Professor of Sociology
 B.A., Southern Illinois University at Carbondale; Certificate in Southwest Asian and North African Studies, Ph.D., State University of New York at Binghamton
- E. Eugene Gooch, 1988**
Assistant Professor of Chemistry
 B.S., Carson-Newman; Ph.D., University of Tennessee, Knoxville
- Jo Ellen P. Gordon, 1991**
Instructor in Mathematics
 B.S., M.Ed., Auburn University
- Barbara L. Gordon, 1987**
Assistant Professor of English; Director of Writing Program
 B.A., State University College at Oswego, New York; Ed.M., Ph.D., State University at Buffalo
- Don A. Grady, 1985**
Assistant Professor of Communications; Chair, Department of Communications
 B.A., North Carolina State University; M.A., University of North Carolina
- Seena A. Granowsky, 1975**
Professor of Psychology and Human Services; Chair, Department of Psychology
 B.S., Tufts University; M.S., Vassar College; Ed.D., Duke University
- Jonathan D. Green, 1991**
Instructor in Music
 B.M., State University College, Fredonia; M.M., University of Massachusetts; D.M.A. (in progress), University of North Carolina at Greensboro
- Thomas D. Green, 1990**
Assistant Professor of Psychology
 B.S., M.S., East Tennessee State University; Ph.D., University of Nebraska
- Eugene B. Grimley, 1987**
T.E. Powell Jr. Professor of Chemistry; Chair, Department of Chemistry
 B.A., Olivet College; Ph.D., University of Iowa
- Jo M. Grimley, 1988**
Assistant Professor of Chemistry
 B.S., Florida Southern College; M.S., Michigan State University
- Bradley Hamm, 1989**
Instructor in Journalism and Communications
 B.A., Catawba College; M.A., University of South Carolina
- Michael T. Harden, 1990**
Assistant Professor of Health, Physical Education and Leisure/Sports Management; Head Baseball Coach
 A.B., Elon College; M.A., North Carolina A&T State University
- E. Franklin Harris, 1967**
Professor of Physics; Chair, Department of Physics
 A.B., Elon College; M.A., Wake Forest University; Ph.D., University of North Carolina

Nancy E. Harris, 1981

Associate Professor of Biology
B.S., University of North Carolina;
B.S., Ph.D., North Carolina State
University

Leon R. Hart, 1989

*Assistant Professor of Health, Physical
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Management; Head Football Coach*
B.A., Maryville College; M.A.,
Eastern Kentucky University

Thomas P. Hart, 1990

Assistant Professor of Economics
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M.A., Ph.D., Duke University

Rosemary A. Haskell, 1985

Associate Professor of English
B.A., University of Durham,
England; M.A., Clark University;
Ph.D., University of North
Carolina

Kenneth J. Hassell, 1990

Part-time Instructor in Fine Arts
B.F.A., M.F.A., University of
Wisconsin

Betty C. Hatch, 1990

*Part-time Instructor in
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Priscilla L. Haworth, 1981

*Assistant Professor, Associate Director
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 B.A., Wake Forest University; B.D., Southeastern Baptist Theological Seminary; Ph.D., Emory University
- Janice Little Richardson, 1983**
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 B.A., University of North Carolina; M.A., Wake Forest University
- Gerardo Rodriguez, 1982**
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- Jane W. Romer, 1986**
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 Carolina
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The income from tuition and fees constitutes only a part of the income of the College. Other sources of income include the annual gifts from the churches of the Southern Conference of the United Church of Christ; a share of the contributions received by the Independent College Fund of North Carolina; earnings from the permanent endowment funds of the College; and the contributions of individuals, foundations, businesses and industries.

In addition to the general endowment funds of the College, special endowment funds have been established for specific purposes:

Biomedical Reference Laboratory Program. Established by the company, this endowment fund provides unrestricted income for the college.

Boone Memorial Fund. Established by the late Dr. William H. Boone, of Durham, N.C., a long-time member of the Board of Trustees, in memory of his wife, Mrs. Annie Elizabeth Moring Boone.

James H.R. Booth Endowment Fund. This fund was created by Dr. James H.R. Booth, an alumnus of Elon, preferably for support of the Department of Religion.

Kathleen Price and Joseph M. Bryan Family Foundation Endowment for Faculty Development. Established by the Foundation to support a program for faculty to pursue professional growth activities that enhance their teaching effectiveness (and advance their scholarly interests).

Isabella Cannon Leadership Program Endowment Fund. To provide financial and academic support to the Leadership Program.

George R. Chandler Endowment Fund. George R. Chandler '35, a coal mining executive in Western Kentucky, bequeathed funds to the college to establish this endowment.

Thomas W. and Mary Watson Chandler Endowment Fund. This fund was established by a gift from Mrs. Chandler.

Civil War Collection Endowment Fund. To maintain Civil War Collection given by Hubert McLendon.

The Daniels-Danieley Award. The Daniels-Danieley Award for Excellence in Teaching was established in honor of the parents of the sixth president of the College, James Earl Danieley, and his wife, Verona Daniels Danieley. The income from this fund is used to provide a certificate of recognition and cash award each year to a faculty member whose teaching is characterized by excellence.

Dwight Merrimon Davidson Endowment Fund. Established by C. Vincent and Eleanor Davidson Long in memory of Mr. Davidson '05, income from this fund is used to procure original works of art for the Dwight M. Davidson Collection.

Elbert and Esther Fertig DeCoursey Fund. Established by C. Max Ward '49, and Cynthia Fertig Ward in honor of Mrs. Ward's aunt and uncle, Major General Elbert DeCoursey, nationally known pathologist, and Esther Fertig DeCoursey. The earnings from this fund will be used to benefit the Department of Biology.

Dofflemyer Fund. Established in memory of the late Milton A. Sr., and Naomi Frazier Dofflemyer by their children.

Elon College Community Orchestra Endowment Fund. Established by friends of the Orchestra to provide assistance for principal orchestra players and for support of the orchestra.

George Joseph Fertig Fund. Established by C. Max Ward '49, and Cynthia Fertig Ward in memory of her father, Dr. George Joseph Fertig, eminent metallurgist from Birmingham, Ala. The income from this fund will be used for the support of the Department of Chemistry.

A.J. Fletcher Professorship in Communications. Established by the Foundation to attract experienced Leadership for the communications program.

D.R. Fonville Sr. Fund. A bequest from the estate of DeRoy Ransom Fonville Sr., who served as a trustee of the College from 1914 until his death, April 21, 1958. The earnings from the fund are to be used to purchase books for the library.

Ford Endowment. The principal amount of this fund was a gift from the Ford Foundation. All earnings of the fund are used to increase salaries of full-time professors.

Ella V. Gray Memorial Fund. Proceeds to be used to purchase books to be added to library's collection of Southern literature. Following a bequest from Mrs. Gray, this fund was established by Garland Gray as a memorial to his mother.

George W. Harden Trust. Established by a bequest from the estate of Mr. Harden of Graham, N.C., income from this trust fund is used to support the general purposes of the College.

The G. Thomas Holmes and Gladys Wright Holmes Endowment for Chemistry. Income from this endowment is to be used in the Elon College Chemistry Department at the discretion of the head of the department in ways that will (1) improve the department's facilities or curriculum and (2) qualify the department to prepare pre-engineering students for admission to professional engineering schools.

The Jefferson-Pilot Professorship. This fund was established by the Jefferson-Pilot Corporation, Greensboro, N.C. The recipient is appointed by the President of the College from any academic discipline within the College.

Kernodle Foundation. A gift from Mrs. Attrice Kernodle Manson of Burlington, N.C., in memory of Dr. J.L. Kernodle and in honor of Mrs. J.L. Kernodle.

John T. Kernodle Memorial Fund. Created by a bequest from the estate of John T. Kernodle '08.

Peter Jefferson Kernodle and Louise Nurney Kernodle Memorial Fund. Created by a bequest from the estate of John T. Kernodle '08, in memory of his mother and father.

Virginia Beale Kernodle Memorial Fund. The fund was established by John T. Kernodle '08, as a memorial to his wife, Virginia Beale Kernodle '13, Valedictorian. The earnings from the fund are to be used for the upkeep of Whitley Memorial Auditorium. Mrs. Kernodle was the granddaughter of the late Leonard Hume Whitley, for whom the auditorium was named.

Literature, Languages and Communications Endowment. Income is used to promote academic excellence in the study of literature, languages and communications, and to support lectures and other appropriate literary events.

Marjorie L. Long Lecture Series. Established by Robert D. Craig and the political science department. To provide guest lecturers in the political science department.

The Martha and Spencer Love School of Business Fund. Established in 1985, this endowment created the College's Love School of Business and provides the resources required to maintain it. The School is a memorial to Spencer Love, who established Burlington Industries, and his wife, Martha.

Iris Holt McEwen Community Service Award. Established by Katherine Iris McCrary, James McEwen McCrary, and John A. McCrary III, grandchildren of Mrs. McEwen, this award honors the late trustee by providing cash to students each year for college expenses and the charity of the students' choice.

The James H. McEwen Jr. Endowment Fund. Established by James H. McEwen Jr. of Milford, Conn. Income from this fund will be used for the enrichment of the Fine Arts program.

Sarah M. Moize Endowment Fund. Established by Mrs. Moize to support the general operating expenses of the student health services at the College.

Mulholland Library Endowment Fund. Established in memory of Emma Frances Matthews and Christopher Columbus Mulholland Sr., to be used for the purchase of library books.

NCNB Corporation Endowment for Field Studies. To provide resources for students enrolled in the Martha and Spencer Love School of Business to travel off-campus to gain hands-on experience in the business world.

Sophia Maude Sharpe Powell Professorship. Established as a memorial to their mother by John S., Dr. James B., and Dr. Thomas E. Powell III. Income from this endowment provides a chair for an outstanding professor.

The Thomas Edward Powell Jr. Professorship of Biology. Established by the Thomas E. Powell Jr. Biology Foundation. Dr. Powell was professor of biology at Elon College from 1919 to 1936 and is founder of Carolina Biological Supply Company. Income from the endowment provides a chair for an outstanding professor in the field of biology.

The Religion Scholar Award. Preferably for a rising senior and a religion major who has done the most outstanding work in religion course(s) for the current year.

Ferris E. Reynolds Lectureship. To fund an annual lecture arrangement by members of the Department of Philosophy.

George Shackley Award. Established by Mr. Shackley by bequest, for most improved piano or organ student.

Spence Endowment Fund. Established by Mr. and Mrs. Royall H. Spence Sr. and Dr. and Mrs. Royall Spence Jr., to provide additions to the Spence Collection for the library.

James T. Toney Endowment Fund.

Established by the 1991-92 Department of Economics to be used to underwrite course related travel by students who would otherwise not be able to participate in the Elon off-campus experience.

L.L. Vaughan Chemistry Fund.

A bequest from the estate of the late Professor L.L. Vaughan, who served as a trustee of the College from 1928 to 1956.

Drusilla Dofflemyer Voorhees Fund.

Created in honor of Drusilla Dofflemyer Voorhees '24, by friends in recognition of her many years of devotion to her students and her contribution to education as a classroom teacher. The income from this fund is used to support the general operation of the College.

Wachovia Fund for Excellence. To provide unrestricted support to Elon College.

The Walter and Dorothy Westafer Fund for the Fine Arts. Given in memory of Dorothy Stambaugh Westafer by family and friends of Walter and Dorothy Westafer, income from this endowment fund is used to enrich programs and projects that will enhance the cultural life of the Elon College campus.

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ELON COLLEGE

Office of Admissions and Financial Planning

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ELON



ACADEMIC CATALOG 1993-1994

ELON COLLEGE

1993-94

Elon College
North Carolina 27244
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Elon Vol. 104—September 1993 (UPS 076-160) Published annually at Elon College, NC 27244-2010. Elon College does not discriminate on the basis of race, color, sex, handicap and national or ethnic origin in the recruitment and admission of students, the recruitment and employment of faculty and staff or the operation of any of its programs. The college's Section 504 Coordinator is Priscilla Haworth, Associate Director of Academic Advising, Alamance 101.

Elon College reserves the right to add or drop programs and courses, to institute new requirements when such changes are desirable, and to change the calendar that has been published. Every effort will be made to minimize the inconvenience such changes might create for students.

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This bulletin contains pertinent information about the college, its philosophy, programs, policies, regulations and course offerings. All students and prospective students are urged to read it carefully and completely. Please direct correspondence to the appropriate individuals, listed below:

President

- General information

Provost and**Senior Vice President**

- Administrative and student affairs policies
- Long-range plans

Vice President and**Dean of Academic Affairs**

- Academic program
- Academic work of students in college
- Faculty positions
- Special programs

Dean of Admissions and**Financial Planning**

- Admissions
- Requests for applications, catalogs or bulletins
- Scholarships, student loans and student employment

Dean of Student Affairs

- Housing
- Student affairs

Vice President for**Business and Finance**

- Administrative services
- Payment of student accounts
- Inquiries concerning expenses

Vice President for Development

- Public relations
- Contributions, gifts or bequests
- Estate planning

Director of Placement

- Career options for students
- Employment of seniors and alumni

Registrar

- Requests for transcripts
- Evaluation of transfer credits
- Student educational records

Director of Alumni**and Parent Relations**

- Alumni affairs
- Parent relations

Director of Academic Advising

- Course scheduling
- Academic counseling

Calendar

Fall Semester 1993

August 25 (Wed)	Orientation
August 26 (Thu)	Orientation; Evening School Registration
August 27 (Fri)	Registration
August 28 (Sat)	Drop-Add Day
August 30 (Mon)	Classes Begin
September 2 (Thu)	Last Day for Late Registration
October 15 (Fri)	Mid-Semester Reports Due; Fall Break Begins at 1:25 p.m.
October 20 (Wed)	Fall Break Ends at 8:00 a.m.
October 21 (Thu)	Last Day for Dropping Course with "W"
November 1 (Mon)	Last Day to Remove Incomplete ("I") and "NR" Grades
November 10 (Wed)	Preregistration Begins for Winter Term and Spring Semester 1994
November 23 (Tue)	Thanksgiving Holiday Begins Following Evening Classes
November 29 (Mon)	Thanksgiving Holiday Ends at 8:00 a.m.
December 7 (Tue)	Classes End
December 8 (Wed)	Reading Day (Evening Exams Begin)
December 9-14 (Thu-Tue)	Examinations
December 16 (Thu)	Grades Due at 9:00 a.m.

Winter Term 1994

January 3 (Mon)	Registration
January 4 (Tue)	Classes Begin
January 5 (Wed)	Last Day for Late Registration
January 13 (Thu)	Last Day for Dropping Course with "W"
January 21 (Fri)	Classes End
January 24 (Mon)	Examinations
January 26 (Wed)	Grades Due at 9:00 a.m.

Spring Semester 1994

January 31 (Mon)	Registration
February 1 (Tue)	Drop-Add Day; Evening Classes Begin (5:30 p.m. and later)
February 2 (Wed)	Day Classes Begin
February 8 (Tue)	Last Day for Late Registration
March 23 (Wed)	Last Day for Dropping Course with "W"
March 25 (Fri)	Mid-Semester Reports Due; Spring Break Begins at 1:25 p.m.
April 4 (Mon)	Spring Break Ends at 8:00 a.m.
April 14 (Thu)	Last Day to Remove Incomplete ("I") and "NR" Grades
April 18 (Mon)	Preregistration Begins for Summer and Fall 1994
May 10 (Tue)	Classes End
May 11 (Wed)	Reading Day (Evening Exams Begin)
May 12-17 (Thu-Tue)	Examinations
May 18 (Wed)	Senior Grades Due By 9:00 a.m.
May 20 (Fri)	Grades Due at 9:00 a.m.
May 21 (Sat)	Commencement; Last Day of School

Summer School 1994

First Term:

June 1 (Wed)	Registration; 2:30 and 5:30 p.m. Classes Begin
June 2 (Thu)	All Other Classes Begin
June 3 (Fri)	Last Day for Late Registration
June 15 (Wed)	Last Day for Dropping Course with "W"
June 28 (Tue)	Classes End
June 29 (Wed)	Reading Day
June 30 (Thu)	Examinations
July 5 (Tue)	Grades Due By 9:00 a.m.

Second Term:

July 11 (Mon)	Registration; 2:30 and 5:30 p.m. Classes Begin
July 12 (Tue)	All Other Classes Begin
July 13 (Wed)	Last Day for Late Registration
July 25 (Mon)	Last Day for Dropping Course with "W"
August 5 (Fri)	Classes End
August 8 (Mon)	Examinations
August 10 (Wed)	Grades Due By 9:00 a.m.

Introduction to Elon College

Elon College is a coeducational, residential, church-related college situated on a spacious campus in the heart of the Piedmont near Burlington, North Carolina. Named for the Hebrew word for "oak," the college is located in what was once an oak forest, and many of these majestic trees still grace Elon's campus.

The fourth largest of the 37 private colleges and universities in North Carolina, Elon offers a wide range of choices in academics and campus activities, yet is small enough to allow students to feel a sense of personal involvement and interaction with faculty members and fellow students.

The Mission of Elon College

Motivated by the beliefs and spiritual values that have grown out of its founding by the historic Christian Church, Elon offers men and women a liberal arts education that enriches them as human beings, prepares them for the choice of a profession and for service to their communities. Within this context, Elon College also offers selected career-oriented majors and graduate programs to facilitate professional development.

In accordance with the provisions of the charter, Elon College aims to provide its students the opportunity to develop:

- a personal philosophy of life which will be reflected in a sense of integrity, high ethical standards, and significant religious insights and practice;
- an understanding of their responsibilities and rights as citizens in a democratic society, and a recognition of the intrinsic worth of all individuals;
- an informed respect for the differences among cultures as well as an understanding of the interdependence of world conditions and of the need for individual and collective responsibility for the environment;
- a love of learning and sensitivity to aesthetic values sufficient to stimulate continued intellectual and cultural growth;
- the ability to gather information, to think critically, logically, and creatively, and to communicate effectively;
- a basic knowledge of the humanities, natural sciences and social sciences, and an appreciation of their interrelationships;
- a level of competence in at least one field of knowledge sufficient to provide depth of intellectual perspective and preparation for graduate study or professional activity;
- an understanding of the principles of mental and physical health essential for developing a lifestyle of wholeness and well-being;
- an appreciation of the potential for lifelong personal growth and

professional development which their own distinct abilities and aptitudes provide.

In keeping with these educational objectives, Elon College recognizes its broader responsibilities as an institution of higher learning. The college supports scholarly and artistic expression by providing the conditions for serious intellectual work by both students and faculty. It furthermore promotes open and honest inquiry, respect for persons of all circumstances, sensitivity to diverse cultural traditions, an understanding of the economic environment, an appreciation for the value of work and habits of democratic citizenship. As participants in a community of learners, all members of the college are expected to enact the ideals of personal integrity and public responsibility.

History

Elon College was founded by the Christian Church (now United Church of Christ) in 1889. Two schools were forerunners of Elon College: The Graham College, established in 1851 in Graham, North Carolina; and the Suffolk Collegiate Institute, established in 1872 in Suffolk, Virginia. In 1888, the Southern Christian Convention, now a part of the United Church of Christ, voted to establish Elon College. Since its founding, seven presidents have provided the leadership essential for progress.

The site of the new college was

known as Mill Point, located four miles west of Burlington, North Carolina. In its early years, Elon survived many difficulties. The student body population was severely reduced during World War I, and a major fire in 1923 destroyed most of the campus buildings. Within three years, a new campus emerged from the ruins: The five central buildings, including Alamance, were built at this time. The Great Depression and World War II also created challenges for the college.

The decades following World War II brought physical growth and academic development. As enrollment increased, new buildings went up and the college expanded beyond its brick walls. Students from half of the states in the Union, as well as from foreign countries, gave the college a regional complexion.

Elon experienced a decade of unprecedented growth during the 1980s. During this time, applications doubled and enrollment increased 35 percent, making Elon one of the fastest growing colleges in the region. Dozens of academic and student life programs were added to enrich the quality of an Elon education. Special classes and volunteer programs were developed to provide students with leadership and service opportunities. In fall 1984, the college began offering a master of business administration degree, and in the fall 1986, a master of education degree. In the decade of the 1980s, total campus acreage doubled, and square footage of buildings increased 73 percent. To

further enhance the educational experience, the college invested in state-of-the-art equipment. Generous financial support made Elon a strong institution throughout the 1980s: Annual revenues increased 206 percent from 1980 to 1987. Counted among Elon's most loyal benefactors are the alumni: 42 percent make a gift to the college each year, putting Elon among the top of the state's private colleges and universities in alumni participation.

Historically the college has played a significant role in teacher education. A program of instruction and experiences designed to prepare teachers continues to be a major objective of the college. Elon is one of only two private colleges in the state authorized to offer the prestigious North Carolina Teaching Fellows program.

Although there have been many changes through the years, Elon remains church related rather than church controlled. It embraces general Christian principles and values as an appropriate foundation for the development of human personality and social order.

Students

From its initial enrollment of 108 students, Elon's student body has grown steadily. Elon's 3,227 undergraduate and 145 graduate students come from 36 states and 21 foreign countries. In 1992, 45 percent of Elon students were from North Carolina and 55 percent were from out-of-state. Slightly more than

half of the students are women, and the student body includes several racial and socio-economic groups. Elon College admits students of any race, color, sex, and national or ethnic origin without discrimination. This diversity enriches the life of the community and reflects the nature of American society itself.

Faculty

Elon students benefit from a dedicated staff and an outstanding faculty whose primary concern is teaching. Faculty members have been chosen because of their academic preparation, individual initiative and commitment to excellence in teaching. Approximately 70 percent hold the highest degree in their fields. Many of Elon's faculty demonstrate their satisfaction with the college with long years of service. With a student to faculty ratio of 17:1, Elon chooses to remain small so that the relationship between faculty and students is friendly, informal and lasting.

Programs

Elon College believes that the study of liberal arts prepares students for rewarding, meaningful lives. Its programs are designed to challenge students to excel intellectually, to pursue self-fulfillment and to learn the meaning of service to others.

The academic program provides opportunities for each student to develop a mature proficiency in the use of the English language, an awareness of history and an appre-

ciation of cultural, social and scientific achievements. The upper-level courses allow students to concentrate in areas of special interest and in professional and career-oriented branches of learning. To meet such individual needs, the academic program includes such features as independent study, study abroad opportunities, internships and cooperative education.

Elon College complements the classroom through a broad range of activities and student life programs that encourage students to find their personal identities, refine their social skills, broaden their perspectives and create lifetime friendships.

Academic Calendar

The college's academic year is divided into a 4–1–4 calendar. The fall semester is a four-month term, ending before Christmas holidays, followed by a one-month winter term and a four-month spring semester. The one-month term offers opportunities for travel, study abroad, internships and service programs in addition to specialized courses on campus. Evening classes and a summer session of two four-week terms are held each year.

The calendar is designed to meet the needs of: (1) full-time students who plan to complete degree requirements within four years, (2) part-time students, (3) high school seniors who wish to take one or two college-level courses, (4) members of the community who desire further educational work in day or evening

classes, and (5) those who seek a graduate degree in business (MBA) or education (M.Ed.). Summer school serves the same groups and, in addition, provides an opportunity for new students or students enrolled in other colleges to more quickly complete their degree requirements.

Accreditation

Elon College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award bachelor's and master's degrees.

The college is a member of the following associations:

- The American Council of Education
- The Association of American Colleges
- The American Association of University Women
- The North Carolina Association of Colleges and Universities
- The North Carolina Association of Independent Colleges and Universities
- Independent College Fund of North Carolina
- The Council for Higher Education of the United Church of Christ
- National Commission on Accrediting
- The American Assembly of Collegiate Schools of Business
- The Association of Collegiate Business Schools and Programs

Campus and Facilities

Location

Fifteen miles west of Elon College, along Interstate 85/40, is the thriving city of Greensboro. To the east is Research Triangle Park, internationally known for its intellectual resources and for scientific research conducted by companies and organizations in the fields of computer technology, genetic engineering and other areas. Near Research Triangle Park are Duke University at Durham, the University of North Carolina at Chapel Hill and North Carolina State University at Raleigh. Rich cultural resources affiliated with four larger cities and 12 colleges are within an hour's drive of the campus. Thus, the Elon College community enjoys the lifestyle of a relatively small institution yet benefits from being centrally located close to major institutional and urban resources.

Campus

Elon's historic campus is beautiful, spacious and rich in trees and stately brick buildings. The campus is adjacent to the business district of the town of Elon College and is bounded by residential areas. The college is designed and equipped to serve its living and learning community with 22 academic and administrative buildings and 18 residence halls. The current living and dining facilities serve approximately 1,800 students who live on campus.

Extensive building and improvement projects have been completed in recent years, including six fraternity and sorority houses on

north campus in 1989, six apartment complexes on east campus in 1989, four residence halls in 1982 and 1984, and a new fountain and plaza area in 1982. Buildings housing the classrooms and laboratories have been extensively renovated, and new equipment and furniture have been provided, significantly enhancing the learning environment.

Elon's 75,000-square-foot Fine Arts Building opened in 1987 to house the fine arts and communications programs. In addition to providing classroom and studio space, the building has become the center of the college's cultural program series. Facilities include an auditorium, a recital hall and gallery space.

A major renovation and addition to the Alumni Memorial Gymnasium will be completed in September 1993. New arcades will unite Alumni Gym, Jordan Gym, Beck Pool and the new state-of-the-art fitness center, creating a visual whole.

A new campus center with 74,000 square feet is under construction, scheduled for completion in 1994. The center will include space for student organizations, a dining facility, the campus bookstore, student mail services and a multi-purpose meeting area and auditorium. A TV lounge, "varsity" room, gazebo and outdoor terrace will be part of the student commons area.

Facilities

Administrative and Classroom Buildings

- *Alamance Building* houses administrative offices and classrooms. Citizens of Alamance County contributed the money to build this structure in 1925 after the old administration building was destroyed by fire in 1923. The Alamance Building was extensively renovated in 1981. The area in front of Alamance Building is called Scott Plaza and is the gift of Ralph H. Scott, former State Senator and a former member of the Elon College Board of Trustees, in memory of his wife, Hazeleene Tate Scott. In the center of the plaza is Fonville Fountain, a gift of Rudy M. and Frances (Turner) Fonville '28. The fountain and plaza were completed in 1982.
- *Carlton Building* was the gift of three trustees of the college: P.J. Carlton, H.A. Carlton and L.E. Carlton, and their sister, Mrs. J. Dolph Long. The Carlton Building was built in 1925 and extensively renovated in 1991. This structure houses three large lecture halls, state-of-the-art multi-media equipment, classrooms, faculty offices, publication facilities and the Academic Computing Center.
- *Duke Science Building* has modern scientific equipment and laboratory apparatus. It houses

the Departments of Physics, Biology and Chemistry. In memory of their mother, Mrs. Artelia Roney Duke, J.B. Duke and B.N. Duke contributed to the cost of erecting this building, dedicated in 1927. Classroom and laboratory space underwent extensive renovation in 1988.

- *The Fine Arts Building* was opened for the 1987-88 academic year. In addition to classroom and office facilities for the art, music, drama, communications and dance programs, the 75,000-square-foot facility features a 600-seat theater and a 125-seat recital hall.
- *Haggard Avenue House*, a turn-of-the-century mansion, was built by Walter P. Lawrence, first dean of the college and a member of the North Carolina General Assembly. The facility was purchased by the college in 1984 and has undergone extensive renovations. Located here are the offices of the chaplain, Elon Volunteers!, the Elon College Honors Program and the Isabella Cannon Leadership Program.
- *Holland House* is the former residence of the college president. Constructed in 1963, it is located at 301 East Haggard Avenue. It was named in memory of Shirley T. Holland, a longtime college trustee, by Mrs. Holland and their sons. The facility currently houses the Development, Alumni and Parent Relations offices.

- *Mooney Building* was donated to Elon in 1926 by M. Orban Jr., in memory of his father-in-law, the Reverend Issac Mooney. This building houses faculty offices, classrooms, the LaRose Resources Center, computer labs and the Curriculum Resources Center.
- *The Caroline Powell Building*, named in honor of Miss Caroline Powell, was completed in 1970. In 1991 with a bequest from Harvey Mebane Allen, major renovations were made to the first floor, creating the Admissions Center. The second and third floors contain classrooms and faculty offices.
- *Whitley Memorial Auditorium*, first used for Commencement in 1924, has a seating capacity of approximately 500. Faculty and administrative offices are located on the north end of the building.
- *Carolina Hall*, built in 1956, houses 126 students. Congregational Christian Churches in North Carolina pledged the funds for this three-story brick building.
- *Chandler Hall* houses 92 students. It was constructed in 1982 in honor of Wallace L. Chandler '49, a trustee of Elon College and senior vice president of Universal Leaf Tobacco Company, Inc., of Richmond, Virginia.
- *Colclough Hall* is designed to house either men or women. Constructed in 1982, it has a capacity of 96 persons. It was named in memory of George D. Colclough '26, through a gift by Royall H. Spence Jr. '42, and his wife, Luvene Holmes Spence '43. Mr. Spence is a trustee emeritus of Elon College. Mr. Colclough was a trustee of Elon College and a well-known business leader in Burlington.

Residence Halls

- *John Barney Hall* houses 48 students. This three-story brick building was dedicated in 1966 and named in memory of John W. Barney, who was a member of the Elon College faculty for 33 years.
- *Ned F. Brannock Hall*, housing 48 students, is a three-story brick structure named in memory of Dr. Ned F. Brannock, a member of the Elon College faculty for more than 50 years. It was dedicated in 1966.
- *East Campus Apartments*, completed in 1989, consist of six buildings each, housing 32 students. Reserved for upper-classmen, the facility offers an alternative to traditional residence hall accommodations.
- *Fraternities and Sororities* are housed in several residences owned by the college, in residence hall suites and in a fraternity/sorority court of six buildings completed in 1989.

-
- *A.L. Hook Hall*, housing 32 students, was named for Dr. A.L. Hook who was a member of the Elon College faculty for more than 50 years. Built in 1966, it is a three-story brick residence hall.
 - *The Jordan Complex* is named in honor of John M. Jordan, Alamance County businessman. Built in 1980 and 1984, the complex houses 272 male and female students in two-room suites. The complex also contains a commons building with study, lounge and laundry facilities.
 - *Maynard Hall* is a residence hall for 131 students. Constructed in 1982, it was named in honor of Reid and Grace Maynard. Mr. Maynard was a trustee of Elon College and chairman of the board of Tower Hosiery Mills, Burlington, North Carolina.
 - *North Hall*, located near the Harper Center, houses male students.
 - *Sloan Hall*, a three-story brick structure, built in 1960 and housing 94 students, was named in honor of Dr. W.W. Sloan and Bessie Pickett Sloan, members of the Elon College faculty for 25 years.
 - *Leon Edgar Smith Hall* is a three-story residence hall built in 1957 to house 126 students. The building was named for Dr. L.E. Smith, former President of the college.
 - *Staley Hall, Moffitt Hall, Harper Center and Harden Dining Hall* were completed in 1968. Staley Hall houses 200 students and Moffitt Hall, 100 students. The two residence halls are joined by Harper Center, which contains a lounge, the college radio station, a recreation area, The Back Door (a nonalcoholic pub) and Harden Dining Hall. These buildings were named in memory of Dr. W.W. Staley, Dr. E.L. Moffitt and Dr. W.A. Harper, three past presidents of Elon College. They are located on North Campus.
 - *Virginia Hall*, a three-story brick structure built in 1956, houses 90 students. Congregational Christian Churches in Virginia pledged the money to pay for this residence hall.
 - *West Hall* is a three-story brick structure adjacent to the Carlton Building. The first floor contains faculty offices and a large lounge. Seventy-two students are housed on the second and third floors.

Athletic Facilities

- *The Alumni Memorial Gymnasium* was built in 1949 by former students as a memorial to Elon alumni who lost their lives in the two World Wars. Currently, it seats 4,500 for basketball games, but the 25,000-square-foot facility is being extensively renovated with the addition of 60,000 square

feet that will include a fitness center, improved classrooms, locker rooms, office space and new concourses that will unite Alumni Gym, Jordan Gym and Beck Pool.

- *Athletic Fields* include 50 acres of practice and playing fields, situated around the campus. There is adequate space for all sports.
- *Bakatsias Soccer Field*, provided in 1984 by George, Terry and Johnny Bakatsias in honor of their parents, is one of the finest soccer facilities in the area.
- *The B. Everett Jordan Gymnasium*, named in honor of the late Senator B. Everett Jordan, was completed in 1970. It contains the Vance Beck swimming pool, physical education teaching gymnasium, human performance laboratory, handball court, weight training room and offices and classrooms.
- *The John Koury Field House* was constructed in 1980 through the generosity of Ernest and Maurice Koury in memory of their father. The building provides dressing facilities for Elon's football and baseball teams as well as a modern training room, laundry and coaches' dressing room.
- *Newsome Field* is a modern baseball stadium donated in 1977 by Webb Newsome '37, and his wife, Jessie Cobb Newsome '36. A member of the Elon College

Sports Hall of Fame, Webb Newsome was outstanding in baseball, football and boxing while at Elon.

- *The Jimmy Powell Tennis Center*, a 12-court, championship tennis complex was built in 1988 and is one of the finest small-college tennis complexes in the nation.
- *Rudd Field*, a multipurpose athletic field named for Clyde Rudd Sr. '37, is used for football, softball and intramural sports.

Recreational Areas

- *Lake Mary Nell*, a five-acre lake near the center of campus, was named in honor of Mary Nell Jennings, daughter of Elon College Trustee Maurice Jennings and Patricia Gabriel.
- *The Elon College Lodge and Botanical Preserve* was acquired by the college in 1984. Located one mile from the campus, the 25-acre tract is a natural habitat and outdoor laboratory for botany, zoology and ecology students. In addition to the lodge building, there is a picnic shelter and a building that is used as a field classroom.

Support Facilities

- *Academic Computing Center* houses a VAX 8350 minicomputer and three Novell networks. The campus has nearly 120 computer terminals hooked to one of the

three Novell networks, as well as a Sun SPARC Station. Languages and application programs include Pascal, Ada, C, Lisp, APL, Prolog, Forth, Fortran, COBOL, Basic, Excelerator, Lotus 1-2-3, dBase III plus, Wordstar, WordPerfect and the SAS and SPSS statistical analysis packages. This facility is located in the Carlton Building.

- *LaRose Resources Center* was named in honor of Mr. and Mrs. Edgar H. LaRose and Mr. and Mrs. Robert E. Hettel, parents of Elon Trustee Robert E. LaRose and his wife, Gail Hettel LaRose. Located in Mooney Building, the center provides instructional support to faculty, tutorial services to students, audiovisual and computer equipment and satellite TV services.
- *East Building* was acquired by the college in 1978. It is used for maintenance storage and central receiving. It also houses the offices of the director of the physical plant and the director of mail services. A gymnasium and dance studio are located in the facility.
- *The R.N. Ellington Health Center* provides health services for students and includes multiple examination rooms and offices for the professional staff.
- *William S. Long Student Center*, constructed in 1966, houses the campus shop, the Varsity Grille, lounges, meeting rooms, student

government offices, a listening room, a photography lab and a game room. The building was named in memory of William S. Long, first president of the college.

- *Maynard House* is the residence of the college president. It is located a short distance from campus. The home was bequeathed to the college through the estate of Reid and Grace Maynard in 1988.
- *McEwen Memorial Dining Hall*, completed in 1956, was built as a memorial to James H. McEwen, an industrial and civic leader in Burlington, North Carolina. The first floor accommodates more than 400 students in a modern and attractive cafeteria and also contains a smaller dining room for special luncheon meetings. On the second floor is an additional dining hall/banquet room large enough to accommodate 450 persons.
- *Iris Holt McEwen Library*, completed in the summer of 1968, is fully air conditioned and carpeted. Open stacks contain a well-rounded collection of more than 170,000 volumes and extensive audio-visual and microform holdings. Approximately 50,000 government documents have been added to the collection since the library became a government depository in 1971. The state-of-the-art on-line/CD-ROM card catalog system, called IRIS (Information Retrieval In Seconds),

allows students to use one of 12 computer terminals in the library or any of the college's VAX-connected terminals on campus to gain instant access to six Piedmont-area college libraries.

- *The Spence Collection*, formerly the Stratford College Library, was given to the college in 1975 in honor of Royall H. Spence Sr. by Mrs. Spence and their children, Mary Spence Boxley, Dolly Spence Dowdy and Royall H. Spence Jr.
- *Power Plant* provides heat for the entire college.

Some Elon College buildings, rooms, and facilities are named for individuals who contributed outstanding service to the institution. Facilities are usually marked with a brass plaque giving the date, the name of the facility, and in some cases, the donor of the facility. As buildings and other facilities become obsolete or the needs of the college change, the brass plaques are added to the college archives, preserving in perpetuity the memory of those honored.

Visitor Information

Visitors to the college are welcome at all times. The administrative offices are open Monday through Friday from 8:00 a.m. until 5:00 p.m. The admissions office is also open Saturday from 9:00 a.m. until noon. Administrative officers and members of the faculty are available at other times by appointment made in advance.

Travel Information

Elon College is in the town of Elon College, North Carolina, a community adjacent to Burlington, 15 miles east of Greensboro, 64 miles west of Raleigh, close to Interstate 85/40. It is accessible to airline services in Greensboro. The telegraph address is Burlington and the college is served by the Burlington telephone exchange. The number at the main switchboard is 919-584-9711 and the FAX number is 919-538-3986.



Academic Program

The academic program at Elon College prepares qualified students to enter graduate and professional schools or readies students to begin work in such fields as business, communications, teaching, public service and allied health. The bachelor's degree consists of a major field of concentration in the liberal arts or in a professional or pre-professional area, a general studies program and elective courses.

Degrees and Major Fields of Concentration

Elon offers courses leading to the graduate degrees of Master of Business Administration and Master of Education and the undergraduate degrees of Bachelor of Arts and Bachelor of Science.

The Master of Business Administration program requires 36 semester hours of graduate credit. Students are encouraged to apply regardless of undergraduate major. The Master of Education program requires 30 semester hours of graduate credit in Elementary Grades or Middle Grades.

The Bachelor of Arts degree is awarded in the following fields: Biology, Chemistry, Communications (Broadcast and Corporate), Computer Science, Economics, Education (Elementary, Middle Grades, Secondary—various subject areas), English, French, History, Human Services, Journalism, Mathematics, Music, Music Performance, Music Theatre, Philosophy, Physics, Political Science, Psychology, Public Administration, Religious Studies, Science

Education, Social Science, Sociology, Spanish and Theatre Arts.

The Bachelor of Science degree is awarded in the following fields: Accounting, Biology, Business Administration (Management, Finance, Marketing, International Management and Management Information Systems), Chemistry, Health Education, Leisure/Sport Management, Mathematics, Medical Technology, Music Education, Physical Education and Sports Medicine.

Minor Fields of Concentration

Candidates for the bachelor's degree may elect a minor concentration consisting of at least 18 semester hours.

The following minor fields are available: Accounting, Anthropology, Biology, Business Administration, Chemistry, Computer Science, Computer Information Systems, Dance, Economics, English, French, Geography, History, Human Services, International Studies, Journalism/Communications, Leisure/Sport Management, Mathematics, Music, Philosophy, Physical Education, Physical Education (Coaching), Physics, Political Science, Psychology, Public Administration, Religious Studies, Sociology, Spanish, Sports Medicine (Athletic Training, Exercise/Sports Science), Studio Art, Theatre Arts, and Women's Studies.

General Studies

General Studies at Elon College provide students the opportunity to acquire the skills, the experiences

and the knowledge needed to obtain the broad philosophical, aesthetic, historical and scientific bases for understanding and evaluating human experience. The college offers all students a broad range of experience in four areas:

The Foundational Studies area helps the student develop the ability to (1) think clearly and critically, (2) write clear, correct English prose, and (3) use methods of computation and understand quantitative relationships and mathematical systems.

The Liberal Studies area emphasizes that an important goal of an undergraduate education is adaptability, since the future will include not only evident problems but the unforeseen. The five sub-areas in Liberal Studies (expression, science, reflection, civilization, society) reflect a broad and diversified curriculum designed to prepare students for a future of continual growth.

Advanced Studies courses, particularly those offered as general studies seminars, involve more than one perspective and frequently more than one discipline.

Physical Education is designed to promote lifelong fitness.

General Studies are by nature cumulative and developmental. Thus the Elon College student will revisit these themes throughout his college years from initial enrollment to graduation.

The Martha and Spencer Love School of Business

Established in 1985, the Love School of Business is an outgrowth

of an endowment gift to Elon College from the Martha and Spencer Love Foundation.

The Love School of Business builds upon the liberal arts tradition of Elon College and provides undergraduate and graduate students the educational opportunities that will prepare them for business careers and civic leadership.

The Business School offers undergraduate-level majors in accounting and business administration (concentrations in management, marketing, finance, international management and management information systems) and a graduate degree in business administration (MBA).

Specific requirements for Love School programs in Business Administration and Accounting are listed under Courses of Instruction.

Professional Programs

Elon College offers professional programs in Accounting, Business Administration, Communications, Computer Information Systems, Computer Science, Education, Human Services, Journalism, Music, Public Administration and Medical Technology. These programs prepare graduates entering beginning-level professional positions. Qualified graduates may wish to continue their studies in graduate school.

Preprofessional Programs

Elon College offers programs that prepare students for professional studies in such fields as dentistry,

engineering, law, medicine and theology. Students entering any pre-professional program should plan carefully, using the catalog of the professional school they wish to enter as a specific guide to choosing courses at Elon College. In addition to the preparation students receive through the regular academic curriculum, Elon offers a preprofessional advising program that emphasizes careful academic advising, special programs and workshops and assistance in the graduate application process. The Academic Advising Center staff is available to assist students in this planning.

Pre-engineering

Elon offers a pre-engineering program that allows students to undertake a sequence of courses emphasizing math, physics and chemistry.

Students may transfer to an engineering school after two years. While there is the potential for a qualified student to transfer to any engineering school, the pre-engineering program at Elon College has been approved by the Subcommittee on Engineering Transfer for transfer to the engineering programs at North Carolina A&T State University, North Carolina State University, and the University of North Carolina at Charlotte. Qualified students completing Elon's program receive preferential consideration for transfer to any of these engineering schools.

A three-year pre-engineering program is available for those students who have strong potential for pursuing an engineering degree

but who do not have the math preparation necessary to take calculus. First-year students may take college algebra in the fall semester and calculus in the spring semester.

Prelaw

The Association of Law Schools embraces two educational objectives for undergraduate law students: First, the student should learn to reason logically; second, the student should learn to express thoughts clearly and concisely both orally and in writing. While law schools do not require a specific undergraduate major, several majors at Elon prepare students for admission to law school. Elon faculty members help students choose specific courses and curriculum tracks that increase students' chances for acceptance into law school, and advise students in selection of law schools, preparation for the Law School Admissions Test (LSAT) and the application procedure.

Through programs offered by the Prelaw Society, students discuss career opportunities with attorneys, judges and law enforcement officers. The Prelaw Society also arranges visits to area law schools and offers programs on taking the LSAT and applying to law school.

Premedical and Predental

Elon's premedical program prepares students for entry into schools of dentistry, medicine, optometry, osteopathy, pharmacy, podiatry, veterinary medicine and other health-related professions.

Students interested in a medically related career should meet with the premedical advisor and plan the course of study as soon as possible. Although a concentration of the student's academic work will be in the sciences, medical and professional schools seek students with well-rounded academic experiences and well-developed critical thinking skills.

Elon's Evaluation Committee for the Health Professions is designed to guide and advise students who are interested in pursuing medical and health-related professions. The committee is composed of faculty members from Elon, the school of medicine at the University of North Carolina at Chapel Hill and Bowman Gray School of Medicine. The committee monitors students' academic progress and offers helpful advice on choosing medical professions and applying to graduate and medical schools. It also assists students with the application process and provides students letters of recommendation to the schools to which they are applying.

Preministerial

(Any Full-time Christian Vocation)

The educational program at Elon College provides opportunities for students to prepare for the various aspects of Christian ministry. Although no particular major is required, many courses and other educational and service experiences permit students to explore their interest in and fitness for religious vocations. In general, for church-

related vocations, students should expect to major in Religious Studies or any of the liberal arts areas.

Special Academic Programs

Elon College offers various programs for those with special needs and qualifications.

Evening School

Undergraduate and graduate-level courses are also offered during the evening. While any student may enroll in courses at these times, evening courses are especially convenient for students who work during the day. By attending classes solely at night, students may earn the Master of Business Administration, the Master of Education and undergraduate majors in business administration and accounting. Students may earn other undergraduate majors through a combination of day and evening classes.

Transitional Program

The Transitional Program helps students make the transition from high school to college by providing special advising and special courses in the basic concepts of mathematics and communication skills. The program offers individual assistance by tutors and self-paced programs through the LaRose Resources Center.

Free Peer Tutoring

Free peer tutoring is offered to all students in most subjects through the LaRose Resources Center.

Writing Program

Elon College has a campus Writing Program and a Writing Center. The program and the center work concurrently to support and enhance student writing at all levels and in all areas of the college's academic program through sponsorship of writing contests and other activities. Students who are just beginning a paper or who have a rough draft can visit the Writing Center Sunday through Friday for advice and guidance from the trained student staff.

Elon 101

Elon 101 is a specially designed course/program that introduces first semester students to college life. Topics presented include time management, study skills and how to become involved in campus activities. The course is taught by the students' academic advisor and is generally limited in size to 15 students. The course meets weekly during the first semester and offers one semester hour of general college credit upon successful completion.

High School Credit Bank Program

This program allows students to earn college credit before entering college through the completion of two summer session courses at Elon, and two courses at Elon during each semester of the high school senior year.

Leaders for the Twenty-First Century: Scholarship Programs

The Honors Program

The Honors Program assists academically superior students to attain greater breadth and depth in their General Education studies.

Honors Fellows can enroll in challenging courses that emphasize writing, critical analysis, problem solving and independent research taught by innovative faculty. Class size is generally limited to 20. Since the program is collegewide in scope, most Honors courses are taken in disciplines differing from one's major.

Other features of the program include: Early preregistration privileges, off-campus retreats, Honors housing arrangements, and opportunities to interact with guest lecturers, performers and artists. Honors graduates often pursue further study or graduate training.

Most students are selected to enter the program as freshmen, but one can apply for admission as a continuing student by seeing the Honors Director. Students may also be referred by professors. Honors awards are renewable for up to four years, providing the recipient successfully completes a minimum course load of 30 semester hours for each academic year, maintains a cumulative grade point average of 3.0 or above and satisfies the requirements of the Honors program.

To receive Honors Program recognition at graduation, a student must complete a minimum of six Honors

experiences, as listed below, and achieve a 3.0 grade point average overall and in all Honors courses taken.

Students who fail to maintain an overall grade point average (GPA) of 3.0 or better are subject to dismissal from the program and all benefits associated with it.

Honors Experiences Required for Graduation with Honors Program Recognition

- *Category I:* Students are required to take *two* Honors courses at the 100–200 level.
- *Category II:* Students are required to take *three* Honors courses at the 300–400 level. *One* of the following may be substituted for *one* of the requirements in Category II: (1) A student may take one non-Honors course, including an internship, for Honors credit, with permission of the instructor teaching the course and the Honors Director. (2) A student may participate in a study abroad program, either through Elon College or another institution. If an Intercultural Grant is used for this experience, the Honors Credit Guidelines must be followed.
- *Category III:* Each student is required to complete a Senior Honors Research project, through a General Studies Seminar or a departmental seminar, either of which must culminate in a presentation of the student's research.

The Isabella Cannon Leadership Program

The Leadership Program provides students with opportunities to study and practice leadership, participate in a series of seminars, lead off-campus service projects through the Volunteer Program, actively lead on campus through campus organizations and mentoring experiences, and have the opportunity to participate in studies abroad and internship programs. The program strives to foster leadership for students during the college years that can be extended to the future workplace and living community.

Students accepted to Elon College are automatically nominated for Leadership awards if they have a 3.0 high school grade point average or SAT score of 1,000 or above and have participated in four extracurricular activities, with a leadership role in one or more of the activities. To renew Leadership awards, students must maintain a 2.5 GPA, complete 30 semester hours per year and successfully complete Phase 1.

The North Carolina Teaching Fellows Program

Elon College is one of only two private colleges selected by the North Carolina Teaching Fellows Commission to offer a Teaching Fellows program, and one of only 15 institutions throughout the state. North Carolina Teaching Fellows are selected by the Public School Forum of North Carolina, which awards approximately 400 fellowships annually. North Carolina high school stu-

dents interested in the teaching profession apply to the North Carolina Teaching Fellows Commission and are awarded grants through a selective interview process.

The Teaching Fellows' experience takes place in the context of Elon's highly successful teacher education program. Faculty work closely with students as mentors and academic advisors. In their junior and senior years, Teaching Fellows put their skills into practice by serving as peer advisors for entering education majors. All Teaching Fellows are allowed to participate in the Elon Honors program and receive Honors designation upon graduation provided they complete all requirements.

The Teaching Fellows experience at Elon is a four-year program requiring participation in the following:

- Specially designed leadership courses
- Internships
- Study/travel to major U.S. metropolitan areas
- A semester of study in London
- Special field trip, lecture series
- Capstone seminar examining local, state and national issues and their effect on education
- Development of Elon Experiences Transcript

Enrichment Programs

The Elon Experiences Transcripts Program

The Elon Experiences Transcript Program provides a co-curricular transcript that enhances job and graduate

school opportunities. The transcript documents leadership development, volunteer service, international and multicultural exposure and internship/work experiences during the college career. Elon Experiences help develop informed, productive, responsible and caring citizens—individuals equipped with an education that enriches personal lives and enhances professional careers.

Leadership Development

Ranging from the Isabella Cannon Leadership Program to hundreds of applied leadership positions on campus, students at Elon with leadership potential are given valuable opportunities to sharpen leadership skills throughout their college years. Special courses, service projects, organizational leadership and internships help students develop the characteristics that identify a leader in any field: strong character, good communications skills, self-confidence, the ability to make decisions, motivate others, solve problems and take risks. Examples of leadership activities listed on Elon Experiences Transcripts include: student government officers, Freshman Leadership Award recipients, club/organization officers, leaders of intercollegiate athletic teams and Student Union Board officers.

Volunteer Service

Acting on the college's commitment to civic responsibility and leadership, Elon Volunteers! assist programs and projects ranging from Habitat for Humanity to Meals on Wheels. Campus organizations participate in a variety of support and fund-raising

programs, such as the Adopt-A Highway clean-up program, Crop Walk, American Red Cross Blood Drive, Special Olympics and Oxfam America.

International and Multicultural Exposure

Examples of recent international experiences listed on Elon Experiences Transcripts include: semester programs in London, Japan, Spain, France and Ireland; Winter Term in London, Costa Rica, Mexico, Belize, Europe and Middle East; and summer study and travel in Europe, China and India. Multicultural experiences include: working with Habitat for Humanity to build a house in Appalachia, spending Winter Term working with a service project in a Native American community and participating in a sociological study in an inner-city environment.

Internship, Co-op and Work Opportunities

Through internships, co-ops and on-campus/off-campus work opportunities, Elon helps students to understand the values of productive work, develop the knowledge and skills to compete and progress in a meaningful job or earn money to meet financial obligations. Elon assists its students in meaningful career planning and preparation, and provides the resources and support needed for successful job placement and competitive career advancement after graduation. The Elon Experiences Transcript records and verifies all forms of student work experience while at Elon.

Study Abroad

Study abroad programs enhance the academic program and give students an opportunity to learn firsthand from other countries and cultures. Over 21 percent of 1992 Elon graduates participated in study abroad activities. The college offers a variety of such opportunities.

Students may elect to spend a semester, either fall or spring, in London. By selecting from the broad range of courses offered, most of which are taught by British faculty, students can fulfill both General Studies and major requirements. Through internships and field research projects, students experience many dimensions of British culture. Students have access to the University of London's library and student union facilities. Fall and spring breaks permit extensive European travel.

During the winter term the college offers a study/travel opportunity to England. This program allows students to spend approximately three weeks housed in London with opportunities for numerous excursions to historical and cultural sites in Great Britain. The college also offers other study/travel programs to various locations that vary from year to year. Most recently, students have participated in a work project in Mexico. Others have spent the winter term in Costa Rica studying its language, history and culture, and in Belize, enrolled in a course that examines the country's unique history and culture. All programs offer a wide range of course credit.

Summer terms provide still other study abroad possibilities. The college offers language study in a number of countries through local universities. An arrangement with Southeast University in Nanjing, China, allows students to spend five weeks in language and cultural studies there. Students may choose to explore the culture of India through one of Elon's summer programs. These programs allow the student the option of maximum free time during the remainder of the summer or the opportunity to attend an additional session of summer school. Elon students may spend a semester or a year in Japan at Nagasaki Wesleyan College or Kansai Gaidai Center for International Education, two settings for the study of Japanese language and culture.

Independent Study and Research

Independent study and research is an integral part of the educational program at Elon College. With the assistance of faculty members, students get the chance to develop hypotheses and think creatively. Those who plan to attend graduate school benefit from the research experience. By providing an atmosphere for one-on-one learning with their professors, Elon gives students a unique opportunity to discover the experience of being a professional in their chosen field. Elon students have showcased their research efforts in the Student Undergraduate Research Forum (SURF) in which the participants gave a presentation

of their research projects and then responded to questions from the audience. Students also have presented research papers off campus.

Military

ROTC

The Reserves Officers Training Corps program offers a military science curriculum leading to commission in the U.S. Army upon graduation. This course offers built-in financial assistance and special scholarship programs.

Credit for Veterans

This program offers military personnel on active duty the opportunity to submit CLEP credit by contacting their Education Officers or USAFI in Madison, Wisconsin, for testing. Credit for work completed may be transferred to other accredited post-secondary institutions, and service experience is accepted for physical education requirements.

Career Services

The following Career Services Programs are available to help students plan their futures, explore careers and become adept at finding employment:

Career Planning

Awareness of personal values, interests, skills and occupational information is necessary to make academic and career decisions. Professional career counselors assist students with their major and career choices by providing individu-

alized career counseling, assessment inventories, computerized career guidance and information systems, occupational/educational information, career preview programs and workshadowing opportunities. COE 110 "Choosing a Career/Major," a one-hour elective credit course, is for students exploring major and career options. Catalogs, a computerized graduate school locator and computerized study guides for GRE and GMAT are available to help students make decisions about postgraduate education.

Placement Services

Placement Services assist students who have identified their career direction and who are finalizing their career search. Services for upper-class and graduate students include classes in job search skills (COE 310 "Securing A Job"), resume referral to employers, on-campus interviews, individual counseling, job vacancy lists, a credentials file with options for inclusion of academic and Elon Experiences transcripts and workshops on resume writing, job interviewing, and other special career topics. Additional resources and programs include occupational and employer information, career fairs and an alumni career resource bank.

Internships or Co-ops

Elon College strongly supports programs that allow students to relate their classroom learning to work experience. Active cooperative education and internship programs provide opportunities throughout the

academic year and during summers for students to explore careers, to integrate theory with practice and to examine future job possibilities. In each learning experience, the student's academic or career-related work assignment is supervised and evaluated by Elon faculty. Internships are directly related to majors or minors, may be full- or part-time and paid or unpaid. Most departments offer internship credits. Co-ops offer pay, may be full- or part-time, may be repeated and count toward elective credit. The class COE 310 "Securing A Job" is required of co-op students.

Eligibility Requirements. Students must be a junior or senior, have a 2.0 minimum (GPA), have completed departmental prerequisites and have approval from the Faculty Sponsor/Experiential Education Director. Those participating in co-ops must enroll in the COE 310 class.

Academic Support Services

Elon College seeks to meet the individual academic needs of all students. In order to accomplish this, the college places emphasis on a variety of academic support services.

Academic Advising Center

Students are assigned faculty advisors before they enter Elon College. An important part of the Academic Advising Center's service is pre-major advising, providing selected faculty advisors to counsel students whose major field of study is undecided. At some time during

the freshman or sophomore year, students choose majors and are assigned faculty advisors within their major departments or programs. Special advising assistance is available for students in preprofessional programs such as prelaw, premedical and pre-engineering.

Closely associated with the Academic Advising Center is the Career Services Center. Testing programs, an extensive careers library and personal counseling help the student explore career opportunities and correlate academic course work with career objective.

Special Needs Students

Although Elon has no formal program for students with learning or other disabilities, the college does attempt to make reasonable classroom accommodations for students with special needs. Students who wish to discuss such needs should contact Priscilla Haworth, Section 504 Coordinator, in Alamance 101.

LaRose Resources Center

Located in Mooney Building, the LaRose Resources Center is designed to meet the learning needs of a wide variety of students. Services provided include: tutorial assistance for most academic areas, computer-assisted instruction, microcomputer stations, study carrels for group study, videotaping equipment and viewing room, a television production studio and an extensive variety of audiovisual equipment and materials.

Library

The McEwen Library contains a well-rounded collection of approximately 170,000 volumes, 1,700 periodical subscriptions, 50,000 government documents and extensive audiovisual and microform holdings. The IRIS (Information Retrieval In Seconds) on-line card catalog is now accessible through any campus computer terminal that is linked to Elon's VAX mainframe. The catalogs of six Piedmont-area college libraries are now available on-line. The Library seats approximately 400.

Computer Facilities

Elon's computer resources include a VAX 8350 mainframe and three Novell networks. The four PC computer labs located in Mooney, Carlton and Alamance buildings have nearly 120 microcomputer workstations, some connected to the VAX, the on-line library catalog and the Novell networks. There is also an Apple Macintosh lab in the Fine Arts Building and an Apple II lab in Mooney. Available languages and software include Pascal, Ada, C, Lisp, APL, Prolog, Forth, Fortran, COBOL, BASIC, Guru, Excelsior, Lotus 1-2-3, dBase III plus, Wordstar, WordPerfect, SAS and SPSS statistical analysis packages. All students may use all facilities at no additional charge.



Student life is more than classrooms, laboratories, study desks and libraries. Elon's goal is to educate the whole person, and students have many opportunities to achieve that goal. Experiences in the residence halls, campus organizations, Student Government, spontaneous social groups, Greek organizations, and on athletic and intramural teams are critically important in the student's total development.

By choosing to participate in those co-curricular activities that interest them or are complementary to their academic programs, students can develop important insights about genuine communication, self-government, freedom, trust, honor and critical judgment. Programs designed by well-qualified faculty, staff and students provide opportunities for the student to develop a meaningful concept, a sense of career, a philosophy of life, and sound ethical and moral principles.

Student Service

Personal Counseling

Under the direction of the Coordinator of Counseling Services, a counselor and the counseling support staff are available to provide help to Elon students. Support groups and therapy groups, composed of students concerned about the same issues, are available for those interested. In each of the three campus areas—East, West and North—there is an Area Director, a master's-level staff member trained in counseling or a related field. In addition, within each

residence hall there is a staff of specially-trained resident assistants, usually one per floor. Resident assistants live on the hall and help students learn more about Elon College, themselves and other students. Supporting the residence hall staffs are personnel associated with the Office of Student Affairs.

Health Service

The college maintains an infirmary, which is open from 8:00 a.m. to 4:30 p.m. each class day. A health service fee covers all routine health and nursing services and treatment by the college physicians. This fee does not cover cases requiring a physician other than a college physician, emergency treatment at a local hospital or laboratory tests conducted off campus.

All students must present evidence that they are covered by health insurance before they can enroll in classes. All undergraduate and graduate students taking six or more credit hours may purchase a health insurance policy through the college.

Campus Living

There are 18 residence halls on campus with a variety of living arrangements: single, double and suite rooms are available. Each room is furnished with beds, bureaus, desks and chairs. The student brings pillows, blankets, bedspreads, bed linens, towels and other articles such as wastebaskets, rugs and lamps. Residence halls open at 2:00 p.m. the day before registration each semester. They are

closed during Thanksgiving, Christmas, spring and summer vacations, except for those residence halls occupied during summer school. Rooms will be vacated and residence halls locked no later than noon on the day following the last night of exams.

Provided on-campus housing space is available, all first-year students room in the residence halls unless they are living with their parents, relatives or spouse. The college helps students find off-campus housing, but does not serve as an intermediary in any way between the student and his/her landlord.

Students have access to coin-operated laundry facilities on campus.

Meals are served in the college dining halls, which open for the evening meal before the first day of registration, and close after the noon meal on the last day of final examinations. For vacation periods, college dining halls close after the noon meal of the last day of classes, and open for the evening meal the day before classes resume.

Commuter Students

Programs that meet the particular needs of commuter students are offered through the Office of Campus Activities. The college encourages commuters to become involved in campus functions and organizations. A commuter lounge is located on the second floor of Long Student Center along with lockers, a kitchenette, microwave and TV lounge. Commuter students may purchase meal plans or the Elon Card for dining on campus, and may buy a parking permit if they wish to park on campus.

New Student Orientation

New Student Orientation is held just before the fall term begins. All entering students participate in the program, which is designed to prepare them for the college experience. Orientation includes small group activities as well as academic advising, testing, registration, lectures and social activities. A modified orientation program is offered for students entering in winter and spring terms.

In addition the Admissions Office sponsors another orientation program every April for those students accepted by Elon who plan to attend the following fall. At that time, students may preregister, choose a room and select a roommate.

The Student Government Association

The Student Government Association (SGA) represents the interests of the Elon student body. The faculty and staff of the college fully support and cooperate with the SGA. Projects and proposals dealing with social, cultural and academic life are promoted by the SGA President and the Student Senate.

Students play a direct role in academic and social policy-making through voting membership on numerous college committees.

Judicial System

The Judicial System is a code of student living under which all students should conduct themselves as responsible members of the college community. It is intended to be a

code of justice and of education for students. For complete details about the Judicial System at Elon, see the *Student Handbook*.

Campus Security

Campus Security is maintained by a professional security staff with student support working under the direct supervision of the Director of Campus Security. The system works in close cooperation with the Public Safety Office of the Town of Elon College and the staff of the Office of Student Affairs. Student security guards are carefully selected and trained by the Director of Campus Security.

Emergency telephones are located in the rear gym "R" parking lot behind the campus powerhouse; in the Harper Center parking lot next to the sidewalk leading to the Greek houses; in the Jordan Center parking lot; at the Bakatsias Soccer Field (running track); at East Building near the tennis center; the Hook, Brannock, and Barney parking lot; the Whitley parking lot; the colonnades between the LRC and Duke; the colonnades between Carlton and Whitley; the first floor stairwell landing of Duke; and the first floor southside stairwell of Powell. The phones in the parking areas are designed to be accessible from an automobile without leaving one's vehicle.

The Office of Campus Security provides an escort service 24 hours a day. Students on campus call extension 2407 for this service; those off campus who need an escort upon returning to campus should dial 584-2407.

In accordance with the Crime Awareness and Campus Security Act of 1990, complete information regarding campus security policies and programs and campus crime statistics is available upon request from the Director of Public Information, 2600 Campus Box.

Cultural Life

Each year a variety of programs is offered for the cultural and intellectual enrichment of campus life.

The Liberal Arts Forum, sponsored by the Student Government Association, schedules a number of lectures on current issues.

The Black Cultural Society brings speakers, musical groups and dance ensembles to Elon each year.

The Lyceum Series brings outstanding artists and performers to the campus during the year.

The Classical Soirée Series, presented in the Yeager Recital Hall, brings outstanding artists to campus, often combining residency activities with a formal recital. Admission is free to the college community.

The James H. McEwen Jr. Visual Arts Series, named in honor of a former Trustee and lifelong supporter of the arts, sponsors a number of visual art exhibits each year including fiber art, photography, sculpture, linocuts, watercolors, oil paintings and multimedia abstract compositions.

The Davidson Contemporary Print Exhibition, sponsored by Elon for four years, is a national juried exhibition showcasing the current

directions in printmaking in the United States.

A number of distinguished scholars in various fields are invited to the campus each year to give lectures and seminars for the enrichment of the academic program. There are also recitals in the Fine Arts Building presented by members of the Fine Arts Department faculty and advanced students in music. Several band and orchestra concerts are scheduled. Plays and musicals presented by Elon students and by visiting drama groups are also a feature of the college's cultural offerings.

The Student Union Board

Social activities at the college are largely planned and coordinated by the Student Union Board, which is advised by the Coordinator of Student Activities. An extensive program of social, recreational, club and special-interest activities is carried out during the year. Among these are movies, trips and expeditions, special theme parties, concerts, comedians, special events and other social activities.

The Student Center

The William S. Long Student Center houses areas where students relax and gather, including a large lounge, a gameroom, a television lounge, a snack bar called the Varsity Grille and the Campus Shop. The Student Center also has facilities for group meetings. The offices of the Student Union Board and the

Student Government Association are also located here.

A new campus center with 70 thousand square feet of space is under construction and will open in 1994. The center will include space for student organizations, a dining facility, the campus bookstore, mail services, a lounge and a multipurpose meeting area and auditorium.

Also a favorite gathering place for pizza, sandwiches and such entertainment as pinball, the Back Door, Elon's nonalcoholic pub, is open during evening hours and is located in the Harper Center.

Religious Life

Responsibility for college religious life rests with the Chaplain, who coordinates all on-campus religious programs. Voluntary religious services are held during the academic year. The Elon College Community Church, located just off the campus, is affiliated with the United Church of Christ and is open to all students for worship. Many denominations are represented on campus in the form of student organizations and adjunct clergy. Most denominations have churches within a few miles of the campus. Groups meet regularly for discussions, social activities and service projects such as Habitat for Humanity.

Community Service

Students have the opportunity to participate in diverse volunteer experiences through a student-run program called "Elon Volunteers!" Elon Volunteers! coordinates over 15

service programs in the local community. In addition to these ongoing programs, EV! sponsors a wide variety of one-time special events. The mission of Elon Volunteers! is to provide all members of the Elon College campus the opportunity to develop an ethic of service by connecting campus and community through volunteer experiences. Offices are located upstairs in the Haggard Avenue House.

Honor Societies

- ***Alpha Chi***
Membership in this national scholastic society is one of the highest honors an Elon student can attain for academic excellence. To be eligible for membership, a student must be a junior or senior, must be in good standing, and must have distinguished himself/herself through academic accomplishment.
- ***Alpha Epsilon Rho***
Recognizes scholastic achievement in the journalism and communications programs
- ***Alpha Psi Omega***
Recognizes scholastic achievement in the theatre arts programs
- ***Beta Beta Beta***
Recognizes scholastic achievement in the biology program
- ***Epsilon Beta Epsilon***
Recognizes scholastic achievement by majors in economics and business courses
- ***Kappa Delta Pi***
Recognizes scholastic achievement by majors in education
- ***Kappa Mu Epsilon***
Recognizes achievement by majors in mathematics
- ***Lambda Pi Eta***
Recognizes scholastic achievement in the field of communications
- ***Omicron Delta Epsilon***
Recognizes scholastic achievement in the field of economics.
- ***Omicron Delta Kappa***
Recognizes students, faculty, alumni and outstanding citizens for exemplary character, service and leadership in campus life, and good citizenship within the academic and larger community
- ***Phi Alpha Theta***
Recognizes scholastic achievement in the history program
- ***Pi Gamma Mu***
The North Carolina Alpha chapter of Pi Gamma Mu, national social science honor society, was chartered in 1929. Students and faculty members who attain distinction in the social sciences at Elon are eligible for nomination into membership

- *Psi Chi*
Recognizes achievement by majors in psychology
- *Sigma Delta Pi*
Recognizes achievement by majors in foreign languages
- *Sigma Tau Delta*
Recognizes scholastic achievement in English
- *Theta Alpha Kappa*
Recognizes students and faculty for scholastic achievement in the field of religious studies

Student Organizations

Elon College offers students opportunities to become involved in numerous activities and organizations on campus. The range of these activities is considerable. Students are encouraged to work with the Director of Student Activities to start new organizations.

Departmental

Accounting Society; Alpha Kappa Psi; Association of Computing Machinery; Health, Physical Education and Leisure Club; Mathematics Club; Prelaw Society; Psychology Club; Student North Carolina Association of Educators and Women in Communications.

Greek

There are 19 social fraternities and sororities at Elon. Fraternities include: Alpha Kappa Lambda, Alpha Phi Alpha, Kappa Alpha, Kappa Alpha Psi, Kappa Sigma, Lambda Chi

Alpha, Omega Psi Phi, Pi Kappa Phi, Sigma Chi, Sigma Phi Epsilon and Sigma Pi. Sororities include: Alpha Kappa Alpha, Alpha Omicron Pi, Alpha Sigma Alpha, Alpha Xi Delta, Delta Sigma Theta, Phi Mu, Sigma Sigma Sigma and Zeta Tau Alpha.

Music

Chamber Singers, Concert Choir, Élan, Emanons, Orchestra, Pep Band, Percussion Ensemble, Student Chapter of Music Educators National Conference and Symphonic Winds.

Religious

Baptist Student Union, Catholic Campus Ministry, Elon College Gospel Choir, Fellowship of Christian Athletes, Intervarsity Christian Fellowship and the Jewish Awareness Cultural Society.

Service

BACCHUS (alcohol awareness), Circle K (College Chapter of Kiwanis), Elon Volunteers!, Epsilon Sigma Alpha and Habitat for Humanity Elon College Chapter.

Sports

Achilles, Intramurals (IRS), Lacrosse Club and Outing Society

Special Interest

Aikido Club, Black Cultural Society, College Bowl, College Democrats, Elon College Republicans, Elon's Finest, Intercultural Relations, Men's and Women's Lacrosse Club, Liberal Arts Forum, Lyceum Committee, Residence Hall Association (RHA), Model UN, North

Carolina Student Legislature, Pershing Rifles, Students for Peace and Justice, Student Government Association and Student Union Board.

Communications Media

Media Board

The Board is composed of students and members of the faculty and administration. It advises, guides and encourages all student media on campus.

Colonnades

The college literary magazine is published by students interested in creative expression, both verse and prose.

The Pendulum

The college newspaper, *The Pendulum*, is published weekly by a student staff.

Phi Psi Cli

The college yearbook is edited by members of the student body. Its name, *Phi Psi Cli*, commemorates three former literary societies.

Radio Station

WSOE-FM, the campus radio station, operates each day and is staffed primarily by students. The station broadcasts from a facility in Harper Center.

Who's Who

Each year a committee composed of members of the faculty, administration and student body elects

students to be listed in the national publication *Who's Who in American Colleges and Universities*. Students are selected on the basis of scholarship, participation and leadership in academic and extracurricular activities, citizenship and service to the college and promise of future usefulness.

Campus Recreation

Intramural Recreational Services (IRS)

The Intramural Recreational Services program at Elon College is a collection of co-curricular activities that gives interested students, faculty and staff a chance to participate in a wide range of well-organized activities. Participants have the opportunity to develop friendships and learn important lessons of sportsmanship, team spirit and cooperation. The IRS program promotes the value of physical fitness and the lifelong importance of the wise use of leisure time.

The program is divided into five areas:

- ***Informal Recreation***
College recreational facilities are scheduled for informal use whenever possible.
- ***Intramurals***
Structured activities based on skill level are available in many sports.
- ***Outdoor Recreation***
Intramural Recreational Services provides information on where

and how to pursue outdoor opportunities. Individuals may choose to participate in various organized outdoor programs ranging from trips to seminars.

- ***Fitness***

Classes, seminars and theme weeks provide structured programs for physical development and fitness training.

- ***Sport Clubs***

Elon College sport clubs provide an opportunity for students to compete with area clubs, participate in a variety of activities and promote their development on campus. Examples of activities include lacrosse, cycling and aikido.

Intercollegiate Athletics

A member of the National College Athletic Association Division II, Elon's men's teams compete with other colleges in football, basketball, baseball, tennis, golf, track, soccer and cross-country. Elon's women's teams compete in volleyball, basketball, softball, soccer, tennis and cross-country.

Traditional Events

Fall Convocation

The entire college community is invited to gather outside to hear a prominent speaker, the opening keynote for the academic year.

Greek Week

A time for relaxation, competition and fun is sponsored each spring by Greek organizations. Contests of various kinds—tug of war, potato sack races, chariot races, dance competition and skits—are presented with prizes awarded to the winners of each category.

Homecoming

Homecoming takes place in the fall, bringing back to the campus many former students. Entertainment includes: golf and tennis tournaments, a football game, the Alumni Banquet and the Homecoming dance.

Family Weekend

In the fall, parents and other family members are invited to visit the campus and participate in several events planned especially for them.

Spring Fling

A week of activities which includes student competitions, concerts and other programs.

Application Procedures

Elon College admission packets are available from many high school guidance offices or directly from the Admissions Office of the college. Completed applications should be returned with a nonrefundable \$25 application fee and transcripts of all high school credits and any post-secondary work attempted.

Students who send applications to Elon are mailed a postcard to notify them that the application has been received. Elon College operates on a modified rolling admission plan; applicants will hear from the Admissions Office four to six weeks after the application is received.

The Early Decision Plan

Well-qualified high school students who decide at the close of their junior year that Elon College is their first choice may take advantage of the Early Decision Plan.

To be considered for Early Decision, a student can apply anytime after completion of the junior year, but application must be completed no later than December 1 of the senior year. The application must be sent with the high school record, scores on the Scholastic Aptitude Tests and/or ACT and a signed Early Decision agreement.

Students accepted under the Early Decision Plan have several advantages: (1) notification of the admissions decision within two weeks of the receipt of the completed application package, beginning September 15; (2) the opportunity to attend the first Spring Orientation Weekend;

(3) priority status for housing and registration; and (4) an early financial aid estimate.

Accepted students must submit a nonrefundable \$200 deposit by January 15 and withdraw applications from all other colleges at that time.

International Students

Since it may take several months to receive and process applications from abroad, international students should submit complete application packages as early as possible. In addition each international student applicant must have a minimum score of 500 on the Test of English as a Foreign Language (TOEFL) unless English is the student's native language. A completed Certificate of Financial Responsibility must also be submitted before the application for admission can be approved.

Admission Requirements

Admission is based on the high school record and class rank, SAT or ACT scores, recommendations, and in the case of transfer students, previous college work and recommendations.

Degree candidates and special students must demonstrate their intellectual promise and emotional and social stability to the Committee on Admissions.

Applicants must prove their successful performance in a college preparatory curriculum. The following distribution of courses is recommended:

English	4 units
Math	3 or more units (<i>Algebra I and II or Algebra I and Geometry are required</i>)
Science	2 or more units (<i>including at least one lab science</i>)
Social Studies	2 or more units (<i>including U.S. History</i>)
Foreign Language	2 or more units (<i>of the same language</i>)

Students who have not completed at least two units in one foreign language must complete two semesters of one foreign language at Elon.

Requirements for an A.B. or B.S. Degree:

- Requirements for a major must be completed
- General Studies requirements must be completed
- Additional elective hours equaling the 126 necessary for graduation must be completed
- Admissions requirements in mathematics and foreign language must be satisfied before graduation
- A student must have 36 hours of credit at the Junior/Senior level to qualify for graduation

Entrance Examinations

Applicants for admission to Elon College should have taken either the

Scholastic Aptitude Test of the College Entrance Examination Board or the American College Test of the American College Testing Program.

Application blanks, lists of testing centers, dates and rules for applications, fees, reporting and the conduct of testing are available in most high school guidance centers in the United States. For either test, students should have their test scores sent directly to Elon College.

Special Students

The college admits a limited number of special students who are not working toward degrees at Elon College. Special students include:

- Persons taking only private music instruction in the Department of Fine Arts. Such applicants are admitted if instructors are able to schedule lessons for them
- High school graduates taking classes of special interest. Persons out of high school less than two years are required to submit a copy of their high school transcript and SAT/ACT scores
- Visiting students from other colleges attending summer and winter terms
- College graduates interested in further study at Elon. Such applicants are admitted if they fulfill requirements for admission to the desired courses

-
- College graduates working toward teacher certification or recertification
 - High school students taking classes on the Elon campus during their senior year. Credit for this work is generally transferable to other institutions. (Credit Bank Application required)

Special students may register for no more than seven hours per semester without approval of the Dean of Academic Affairs.

Acceptance and Room Reservation Deposits

All Resident Students

To complete acceptance and reserve a room, an enrollment deposit of \$200 is due within the time specified in the letter of acceptance. This deposit is credited to the student's account. For the fall semester, the full amount is refundable until May 1, with written notification of withdrawal. For the spring semester the full amount is refundable until December 15. A forfeited deposit can be refunded only upon a doctor's statement of the applicant's inability to enroll.

Resident students who decide to commute must notify the Admissions Office before May 1 for the fall semester and before December 15 for the spring semester in order to get full credit for the room deposit.

All Commuter Students

To complete acceptance, an enrollment deposit of \$50 is due within the time specified in the letter of acceptance. It is not refundable after May 1 for the fall semester or after December 15 for the spring semester, except upon a doctor's statement of the applicant's inability to enroll.

Acceptance on Condition

Students who have graduated from a secondary school but who do not meet the requirements in subject matter areas and units may be accepted on condition. Any deficiency must be eliminated before beginning the sophomore year at Elon. A student entering with a deficiency may not be able to complete degree requirements in eight regular semesters.

Students whose deficiencies indicate a need for special work may be required to participate in the Transitional Program. Upon successful completion of this work and recommendation by the Transitional Program Coordinator, the student may proceed with regular course work.

Advanced Placement and Credit

Accepted applicants may attend advanced classes for subjects in which they have demonstrated superior ability and understanding. Recommendations for advanced placement come from the Dean of Academic Affairs with the approval of the department chair.

Advanced Placement Examination

Students earning a score of three or better in the Advanced Placement Tests of the College Entrance Examination Board taken in high school during spring of the senior year may receive credit in the following fields: art, biology, chemistry, computer science, English, French, German, history, mathematics, music, physics and Spanish. Scores should be sent to the Office of Admissions for approval by the Dean of Academic Affairs.

College-Level Examination Program (CLEP)

The College-Level Examination Program (CLEP) of the College Board enables students to earn college credit by examination. Students desiring credit by examination must earn a scaled score of 500 on the General Examinations and/or a score of 50 on the Subject Area Examinations. Credit may be awarded in the following areas: composition and literature, foreign language, history and social sciences, science and mathematics. Adult students interested in receiving credit through CLEP should contact the Admissions Office for information. Scores should be sent to the Admissions Office for approval by the Dean of Academic Affairs.

American College Testing Proficiency Examination Program (PEP)

Students demonstrating proficiency in the PEP examination may

earn college credit in the following courses: American Literature 203, 204; Freshman English 111; Educational Psychology 321; Physical Education 120. Scores should be sent to the Office of Admissions for approval by the Dean of Academic Affairs.

Department Examination

Students may contact the Dean of Academic Affairs for details concerning the process of credit through examination by departments at Elon in areas not covered above. The cost for each examination is \$170.

Transfer Credit

Students earn credit for courses taken through college parallel programs at accredited junior colleges or community colleges and for courses taken at accredited four-year colleges and universities. Transcripts are evaluated and credit is awarded on a course-by-course basis after the student has been accepted for admission.

No more than 65-semester hours of credit will be allowed from two-year institutions. No credit is allowed for a course with a grade below "C-." Credit will not be given for classes taken while a student is under academic suspension.

Credit for Veterans

Veterans entering Elon may transfer certified credits from various areas:

- Military personnel on active duty who wish to submit CLEP credits should see their Education Officers concerning CLEP tests or write to USAFI, Madison, Wisconsin.
- Work from other accredited post-secondary institutions may be accepted.
- Students with one year of active duty in military service will receive credit for the Physical Education requirement by bringing a copy of their DD-214 Form to the Registrar's Office for verification.

General Costs

The cost of attending Elon College is purposely held at a reasonable level. The chart on page 42 gives the particular charges for resident and commuter students. Please note that there are special tuition rates for part-time students.

Student Government Association and health service fees are collected from all students enrolled for nine or more semester hours during registration.

Room Charge

Students changing rooms without permission of the Dean of Students are charged for both rooms.

The Meal Plan

All resident students are required to participate in the meal plan in the college dining halls. The cost of the

meal plan is subject to change without notice. Double charge is made for special diets. Upper-class resident students may select a five-day meal plan. Students living off campus may purchase a semester meal ticket, use the Elon Card (a debit card for use in dining halls and the Campus Shop) or purchase individual meals.

Book Expenses

The estimated cost of textbooks is \$450 for the academic year, including \$225 needed for purchases from the campus bookstore at the opening of fall semester.

Costs Covered by Tuition

Included in the tuition fees are costs of registration, use of the library and recreational facilities, admission to home athletic events, student publications, post office box for college housing, regular laboratory fees and 12 to 18 semester hours of work, inclusive each semester.

The tuition, fees and estimated book expenses do not include fees for special courses and special laboratory work which depend on the course of study undertaken. Personal expenses vary with the individual student. For the student who must earn money toward his/her college expenses, a number of work opportunities are available through the Career Services Center and the Human Resources Office.

Expenses for the 1993-94 Academic Year Full-Time Enrollment/Day Students (12-18 hours)

	<u>Fall Semester</u>	<u>Winter Term*</u>	<u>Spring Semester</u>
Tuition	\$4,250	\$170/hour	\$4,250
Room (Double)	820	225	820
(Single)	1,065	280	1,065
Board** (Winter Term billed with Fall Semester)			
7-day plan	1,125	230	895
5-day plan (not available to freshmen)	1,000	205	795
Student Government	40		40
Health Service	25		25
Overload***	170/hour	170/hour	170/hour
Caution/Damage Deposit (refundable, applies to residence hall students only)	100		

*Residence hall students enrolled full-time fall semester not attending winter term will be eligible for a credit for winter term board. If a student is enrolled full-time for either fall or spring semester, there is no charge for the winter term room and board if no overload exists in winter term.

**After the beginning of a semester, a \$20 administrative fee will be charged to change meal plans.

***More than 18 hours in fall or spring; more than four hours in winter.

Part-Time Enrollment/Day Students and All Evening School

Tuition	
1-8 hours	\$170/hour
9-11 hours‡	\$265/hour

‡Day students enrolled for 9-11 hours must pay SGA and health fees.

Evening students can enroll in no more than three semester hours in the day program.

Graduate Programs

MBA Tuition	\$200/hour
M.Ed. Tuition	\$155/hour

Summer School 1994

Tuition per semester hour	\$170
College enrollment fee including SGA of \$1	10
Room per summer session (double)	210
(single)	310
Board per summer session	400
Auditing per course	125

Special/Optional Fees (No Refund After Drop/Add Deadline)

Applied music lessons:

Each one semester hour credit or audit for non-music majors	\$170
Each one semester hour credit or audit for music majors taking second or additional lessons	170
Auditing per course	125

Charges for other courses with special fees are listed in the catalog and/or the course schedule.

Graduation Fees

Bachelor's Degree	\$40
Master's Degree	50

Miscellaneous

Late registration/Re-enrollment during term	\$25
Late payment	30
Adding a course after Drop/Add Day	10
Transcripts	5
Caution deposit (residence hall damage and key) refundable after student leaves campus housing)	100
Examination for course credit	170
Automobile registration	
Resident Students	40
Commuter Students	30
Replace I.D. card	15
Replace meal ticket	15
Returned check fine	25

A student's grade or graduate's diploma and transcripts will be withheld until his/her financial obligations to the college are settled. A student cannot register for further course work until financial obligations to the college are settled.

Refunds

Academic Year— Fall and Spring Semester*

Tuition, fees, room charges and board are refunded under two different policies as follows:

- Students receiving Title IV financial aid and attending Elon College for the first time will receive refunds according to the policy listed below.

—Refunds will be made to students who (a) do not register for the semester for which Title IV financial aid was intended, or (b) withdraw and do not complete the period of enrollment for which the Title IV assistance was intended. Refunds (except for board charges) will not be made after 60 percent of the semester for which the student has been charged has passed.

—The portion of the semester for which a student can receive a refund is computed by dividing the time (in weeks) remaining in the semester by the total time (in weeks) of the semester and rounded downward to the nearest 10 percent.

—Any unpaid charges owed by the student will be deducted from the calculated refund amount.

—An administrative fee equal to the lesser of 5 percent of the total charges assessed to the student

or \$100 will be charged for refunds made upon withdrawal.

—Students who withdraw after 60 percent of the semester has passed will receive a refund of board charges on a pro rata basis.

—Refunds under Title IV programs will be made on a pro rata basis to the student, and any payers based on the percentage of charges paid by each source.

- All other students receive refunds on a pro rata basis during the first five weeks of the semester. Following is a table of pro rata charges:

1st week pro rata charge	5%
2nd week pro rata charge	20%
3rd week pro rata charge	40%
4th week pro rata charge	60%
5th week pro rata charge	80%
6th week —	no refund

*Upon withdrawal, meal ticket refunds are prorated.

Winter Term and Summer School*

Students who end enrollment during the second or third day of classes of winter term or summer school will receive a 90 percent refund of tuition and room charges. Students who end enrollment during the fourth or fifth day of classes of winter term or summer school will receive a 50 percent refund of tuition and room charges. There will be no refunds after the fifth day of classes.

*Upon withdrawal, meal ticket refunds are prorated.

Notice of Withdrawal

In order to be eligible for a refund upon withdrawal a student must notify the Dean of Student Affairs in writing of his/her intentions. The student must also check out with the Financial Planning and Cashier offices. Refunds are calculated as of the date of withdrawal specified by the Dean of Student Affairs.

Financial Aid

Elon College believes that no student should be denied a college education because of limited funds. To the extent possible, eligible students receive aid through careful planning and various forms of financial assistance.

In order to receive any type of college, state or federal aid, students must demonstrate satisfactory academic progress toward the completion of degree requirements. No financial aid is offered until an applicant has been accepted for admission to Elon College.

Financial aid programs vary by source, eligibility criteria and application procedures. While every effort is made to meet each student's full needs, that is not always possible, due to a limited amount of aid available. Students will be offered a financial aid "package" which is an award consisting of one or more of the following types of aid: scholarships, grants, low-interest loans and campus employment.

Scholarships and grants are "gift assistance" which do not have to be repaid while loans and work are referred to as "self help." Financial aid packages may consist of all self help or a combination of self help and gift assistance. Applying early for financial aid improves your chances for getting the maximum aid for which you are eligible. Unless the student is a continuing student, no aid is awarded until the student has been accepted for admission.

Types of Financial Aid Based on Need

There are a variety of need-based financial aid programs. The federal government, some states (including North Carolina) and the college itself offer grant, loan and work-study programs. Grants are funds which do not have to be repaid, loans to students are generally repayable only after the student is no longer enrolled, and work-study funds are earned through employment on campus. Many students use work-study funds to meet their personal financial needs during the school year.

All need-based financial aid is renewable up to four years provided the same level of need is demonstrated each year, the student maintains satisfactory academic progress as defined by the college for financial aid purposes and the funds remain available. Renewal cannot be assured to those students whose financial aid application files are completed after April 1 of any year.

Federal Programs

Federal Pell Grant

For students with a high need, Pell Grants provide from \$400 to \$2,300 annually.

Federal Supplemental Educational Opportunity Grants

Federal funds given to and awarded by the college to students demonstrating high need. Amounts vary.

Federal Stafford Student Loans (Subsidized)

Moderate interest loans awarded directly to students which are available through many state agencies and private lenders. Freshmen may borrow up to \$2,625 annually, sophomores up to \$3,500 annually, and juniors and seniors up to \$5,500 annually. These loans are federally guaranteed and no interest accrues, nor is any payment due, until six months after the student ceases to be at least a half-time student. Separate application required.

Federal Perkins Loans

Federal funds given to and awarded by the college to students demonstrating high need. No interest accrues and no payment is due while the student is enrolled at least half-time. Repayment begins nine months after the student ceases to be at least a half-time student. Amounts vary.

Federal College Work-Study

Awarded to students with need who work on campus and who are paid according to hours worked.

Awards vary based on amount of need. Work-study earnings are not paid in advance so they cannot be used to pay the direct costs (tuition, room, board, books, etc.) of the semester in which they are awarded.

State Programs

North Carolina Contractual Scholarship Fund

State funds given to and awarded by the college to North Carolina residents with need. Amounts vary.

North Carolina Student Incentive Grant

Awards of up to \$1,500 annually for North Carolina residents.

Pennsylvania and Vermont State Grants

For students who are residents of these states. Amounts vary.

Elon College Programs

In addition to the numerous federal and state programs, the college offers its own need-based assistance. Funds for these programs are provided directly by the college as well as through donations and gifts to the college by many individuals, businesses and foundations. All students who apply for need-based aid and who demonstrate need are automatically considered for these funds. No separate application is required.

Institutional Grants

College grants based solely on demonstrated need. Amounts vary in accordance with need.

Need-based Endowed Scholarships

Awarded to students who demonstrate need and who meet certain other criteria as established by the donors. The college identifies eligible students and awards these funds accordingly. No separate application is required.

Financial Assistance Not Based on Need

There is help available for students and families who do not qualify for need-based aid. This help is in the form of scholarships, grants, loans and work-study. Listed below are some of the opportunities available from Elon, state and federal governments and outside sources.

North Carolina Legislative Tuition Grant

Every North Carolina resident who attends Elon as a full-time undergraduate student automatically receives a Legislative Tuition Grant of approximately \$1,150 from the North Carolina General Assembly. The exact amount of the grant is set annually by the General Assembly. A brief application must be completed at registration to show legal residency.

UCC Ministerial Discount

\$600 per year (\$300 per semester) to full-time students who are legal dependents of full-time ministers in the United Church of Christ. Documentation of eligibility is required.

Merit Scholarships

Based on talent or performance rather than need.

North Carolina Teaching Fellows

Full cost of tuition, room and board, plus air fare to London for one semester. Elon is one of two private colleges in North Carolina selected to offer the prestigious North Carolina Teaching Fellows program. The Fellows are selected by the North Carolina Teaching Fellows Commission which provides scholarships of approximately \$5,000 a year for four years on the condition that Fellows teach for four years in North Carolina public schools after graduation.

Elon enrolls approximately 20 Teaching Fellows each year and supplements the Teaching Fellows scholarship to provide for the full cost of tuition, room and board for four years, plus air fare for a semester in London.

Honors Fellows

\$1,500 to \$5,000 annually plus one \$500 travel grant. Elon enrolls approximately 65 Honors Fellows each year who receive scholarships ranging from \$1,500 to \$5,000 a year. Honors Fellows are selected on the basis of high school record and standardized test scores.

Leadership Fellows

\$1,000 annually. Elon enrolls approximately 100 Leadership Fellows each year selected on the basis of successful high school performance, above average standardized test scores

and demonstrated leadership ability. No separate application. Applicants for admission who meet the criteria are awarded the scholarship.

Presidential Scholarships

\$500 to \$1,000 annually. Presidential Scholarships are awarded on the basis of superior academic performance and SAT or ACT scores. Applicants for admission who qualify are automatically awarded this scholarship.

Fine Arts Scholarships

The Department of Fine Arts awards scholarships to outstanding freshmen in the fields of music and theatre on the basis of audition. The scholarships range from \$ 200 to \$1,500 annually. Contact the Fine Arts department.

Athletic Scholarships

In compliance with NCAA Division II and NAIA Division I regulations, athletic scholarships are awarded by the Department of Intercollegiate Athletics in each sport offered at Elon. The awards are based on performance and the amount varies. Contact the Athletics Department.

Reserve Officers Training Corps (ROTC)

The United States Army offers four-year scholarships which cover the cost of tuition and books for four years, plus \$100 per month for personal expenses. Elon provides room and board at no cost to all four-year ROTC scholarship winners. The Army also offers some two-year scholar-

ships for which students in the Elon ROTC program may compete.

Private Scholarships

Foundations, service clubs, churches and corporations give away millions of dollars of scholarships each year to worthy students. Many Elon students receive this type of scholarship help in addition to other types of help they may be receiving.

Students generally seek these scholarships on their own. A good place to start is by asking your high school guidance office about community and other scholarships with which they may be familiar. Then ask about the availability of scholarships at places where family members are employed, through your church and through any organizations to which family members belong. Finally go to the public library for guidebooks to scholarships from foundations, corporations and government agencies.

Campus Employment

Many Elon students assist with college living expenses by working a part-time job, either on or off campus. The opportunities for campus employment at Elon are available both to students who qualify for need and to students who do not.

Students in part-time jobs get valuable experience, learn time-management skills, build friendships with the office personnel and, in certain cases with the approval of the Director of Experiential Education, receive internship credit.

Loan Options That Are Not Based on Need

Several sources of long-term loan funds are available that are based on credit worthiness rather than "need."

Federal Parent Loan for Undergraduate Students (PLUS)

Parents may borrow up to the cost of education (at Elon, \$14,490 for 1993–94) less any other aid per academic year for each dependent enrolled at least half-time. Interest rate is variable and is based on the 52-week T-bill rate plus 3.1 percent with a cap of 10 percent. Note: Independent students may apply for the Federal Supplemental Loan to Students (SLS). Contact the Financial Planning Office for additional information.

Federal Stafford Student Loans (unsubsidized)

Available to all students regardless of need. Loan amounts are the same as for the need-based subsidized program. However, under this program, borrowers do not qualify for federal interest subsidy payments, thus interest accrues while the student is in school. Repayment of principal begins six months after the student is no longer enrolled half-time. The interest rate is variable, capped at 9 percent and is based on the 91-day T-bill rate plus 3.1 percent. Separate application required. Note: Students must file an application for need-based financial aid to be considered for one of these loans. A determination must first be

made that the student is not eligible for a need-based subsidized loan. (See "How to Apply for Need-Based Financial Aid.")

How To Apply for Need-Based Financial Aid

- Students must be accepted for admission to Elon before financial aid will be awarded. However, do not wait until you are notified of your acceptance before starting the financial aid application process. The sooner you complete the aid application process, the better chance you have of receiving maximum awards. Continuing students must be making satisfactory academic progress as defined by the college for financial aid purposes.
- As soon after January 1, 1993, as possible, complete a Free Application for Federal Student Aid and, if you wish to be considered for all aid programs (not just federal programs), a Financial Aid Form (FAF) and send the forms and requested fees to the College Scholarship Service for processing. The Federal Free Form and FAF are scheduled to be available in late November. If you file only the Federal Free Form, the college will not receive the results unless you send them to us. If you file the FAF and remit the proper fees, the college will receive directly from CSS the results of both the Federal Free Form and the FAF. NOTE: No

form is perfect and sometimes special situations or circumstances cannot be adequately addressed when filling one out. If this is the case, Elon encourages families and students to call or write the Financial Planning Office. Adjustments can sometimes be made to reflect these special circumstances.

- Submit an Elon Aid Application to the Financial Planning Office.
- If the student previously attended a college or university other than Elon, request a Financial Aid Transcript from each school. Financial Aid Transcripts are required whether or not the student received any aid at the other institutions.
- Notify the Financial Planning Office of any scholarships, grants or loans you will be receiving from any source other than Elon College.

Elon College's priority deadline for awarding financial aid is April 1. Be sure to begin the filing process early enough so that your file is complete by that date.

Payment Options

VISA/MasterCard

Elon College accepts these charge cards for payment of tuition and fees.

Ten-Month Payment Plan

Charges for the entire academic

year, minus financial aid, are divided by 10 for monthly payments from June 1 through March 1.

Endowment and Sources of Income

The income from tuition and fees constitutes only a part of the income of the college. Other sources of income include the annual gifts from the churches of the Southern Conference of the United Church of Christ, a share of the contributions received by the Independent College Fund of North Carolina, earnings from the permanent endowment funds of the college and the contributions of individuals, foundations, businesses and industries. In addition to the general endowment funds of the College, special endowment funds have been established for specific purposes.

- *John W. Barney Memorial Award*
Established by colleagues, former students and friends for the senior with the highest cumulative average
- *Biomedical Reference Laboratory Program*
Established by the company to provide unrestricted income for the college
- *Boone Memorial Fund*
Established by the late Dr. William H. Boone, of Durham, N.C., a longtime member of the Board of Trustees, in memory of his wife, Mrs. Annie Elizabeth Moring Boone

- *James H. R. Booth Fund*
Established by Dr. Booth, an alumnus of Elon, preferably for support of the Department of Religious Studies
- *Kathleen Price and Joseph M. Bryan Family Foundation Endowment for Faculty Development*
Established by the Foundation to support a program for faculty to pursue professional growth activities that enhance their teaching effectiveness and advance their scholarly interests
- *Isabella Cannon Leadership Program Endowment Fund*
Established by Dr. Cannon '24 to provide financial and academic support to the Leadership Program
- *George R. Chandler Endowment Fund*
Established by a bequest from Mr. Chandler '35, a coal mining executive in western Kentucky
- *Thomas W. and Mary Watson Chandler Endowment Fund*
Established by the family to be used for general purposes
- *Civil War Collection Endowment Fund*
To maintain Civil War Collection given by Hubert McLendon
- *The Daniels-Danieley Award*
Established in honor of the parents of the sixth president of the college, James Earl Danieley, and his wife, Verona Daniels Danieley, to provide a certificate of recognition and cash award each year to a faculty member whose teaching is characterized by excellence
- *Dwight Merrimon Davidson Endowment Fund*
Established by C. Vincent and Eleanor Davidson Long in memory of Mr. Davidson '05, to procure original works of art for the Dwight M. Davidson Collection
- *Elbert and Esther Fertig DeCoursey Fund*
Established by C. Max Ward '49, and Cynthia Fertig Ward in honor of Mrs. Ward's aunt and uncle, Major General Elbert DeCoursey (nationally known pathologist) and Esther Fertig DeCoursey, for the Department of Biology
- *Milton A. and Naomi F. Dofflemyer Fund*
Established in memory of Mr. and Mrs. Dofflemyer by their children
- *Elon College Community Orchestra Endowment Fund*
Established by friends of the orchestra to provide assistance for principal orchestra players and for support of the orchestra
- *George Joseph Fertig Fund*
Established by C. Max Ward '49 and Cynthia Fertig Ward in memory of her father, an eminent metallurgist from Birmingham, Ala., for the support of the Department of Chemistry

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- *A.J. Fletcher Professorship in Communications*
Established by the Fletcher Foundation to attract experienced leadership for the communications program
 - *D. R. Fonville Sr. Fund*
A bequest from the estate of DeRoy Ransom Fonville Sr., a trustee of the College from 1914 until his death in 1958
 - *Ford Foundation Grant*
Established by the Foundation to be used to increase salaries of full-time professors
 - *Ella V. Gray Memorial Fund*
Established by a bequest from Mrs. Gray and gifts from her grandson, Mr. Elmon T. Gray, to be used to purchase books for the library's collection of Southern Literature
 - *George W. Harden Trust*
Established by a bequest from Mr. Harden of Graham, N.C., for general purposes of the College
 - *The G. Thomas Holmes and Gladys Wright Holmes Endowment for Chemistry*
Established by Mr. and Mrs. Holmes to be used in the Chemistry Department at the discretion of the head of the department in ways that will (1) improve the department's facilities or curriculum and (2) qualify the department to prepare pre-engineering students for admission to professional engineering schools
 - *The Jefferson-Pilot Distinguished Professorship*
Established by the Jefferson-Pilot Corporation, Greensboro, N.C., appointed by the President of the College from any academic discipline
 - *J.L. Kernodle Foundation*
From Mrs. Attrice Kernodle Manson of Burlington, N.C., in memory of Dr. J.L. Kernodle and in honor of Mrs. J.L. Kernodle
 - *John T. Kernodle Memorial Fund*
Established by a bequest from the estate of John T. Kernodle '08
 - *Peter Jefferson Kernodle and Louise Nurney Kernodle Memorial Fund*
Created by a bequest from the estate of John T. Kernodle '08, in memory of his mother and father
 - *Virginia Beale Kernodle Memorial Fund*
Established by John T. Kernodle '08 as a memorial to his wife, Virginia Beale Kernodle '13, to be used for the upkeep of Whitley Memorial Auditorium. Mrs. Kernodle was the granddaughter of the late Leonard Hume Whitley, for whom the auditorium was named
 - *Literature, Languages and Communications Endowment*
Established by the departments' chairs, to promote academic excellence in the study of literature, languages and communica-

tions, and to support lectures and other appropriate literary events

- *Marjorie L. Long Lecture Series*
Established by Robert D. Craig and the political science department to provide guest lecturers for the department
- *The Martha and Spencer Love School of Business Fund*
Established in 1985, this endowment created the college's Love School of Business and provides the resources required to maintain it. The Love School is a memorial to Spencer Love, who established Burlington Industries, and his wife, Martha
- *Iris Holt McEwen Community Service Award*
Established by Katherine Iris McCrary, James McEwen McCrary, and John A. McCrary III, grandchildren of Mrs. McEwen, in honor of the late trustee to provide a cash stipend to the student recipient for college expenses and to the charity of the student's choice
- *The James H. McEwen Jr. Endowment Fund*
Established by Mr. McEwen of Milford, Conn., to be used for the enrichment of the Fine Arts program
- *Sarah M. Moize Endowment Fund*
Established by Mrs. Moize to support the general operating expenses of the student health services at the college
- *Mulholland Library Endowment Fund*
Established in memory of Emma Frances Matthews and Christopher Columbus Mulholland Sr. to be used for the purchase of library books
- *NCNB Corporation Endowment for Field Studies*
To provide resources for students enrolled in the Martha and Spencer Love School of Business for travel off campus to gain hands-on experience in the business world
- *The Rex and Ina Mae Powell Lecture Series*
Established in recognition of the lives and service of the late Mr. Powell and his wife to provide an annual lecture in religion for students, faculty and the larger community at the college
- *Sophia Maude Sharpe Powell Professorship*
Established as a memorial to their mother by John S., Dr. James B., and Dr. Thomas E. Powell III to provide a chair for an outstanding professor
- *The Thomas Edward Powell Jr. Professorship of Biology*
Established by the Thomas E. Powell Jr. Biology Foundation. Dr. Powell was Professor of Biology at Elon College from 1919 to 1936 and is founder of Carolina Biological Supply Company. Income to provide a chair for an

outstanding professor in the field of biology

- *The Religion Scholar Award*

For a rising senior and a religion major who has done the most outstanding work in religion course(s) for the current year

- *Ferris E. Reynolds Lectureship*

Established in memory of Dr. Reynolds, a philosophy professor, by friends and former students for annual lectures arranged by the Department of Philosophy

- *George Shackley Award*

Established by a bequest for the most improved piano or organ student

- *Ella Brunk Smith Award*

Established by Dr. L.E. Smith, Elon's fifth president, for a female graduating senior who has made the "greatest contribution to the moral and religious life of the campus during her college days"

- *Spence Endowment Fund*

Established by Mr. and Mrs. Royall H. Spence Sr. and Dr. and Mrs. Royall Spence Jr. to provide additions to the Spence Collection for the library

- *Stokes Endowment*

Established in memory of Dr. Durward Stokes, an alumnus, former faculty member and historian, to be used in the Department of History

- *James T. Toney Endowment Fund*

Established by the 1991-92 Department of Economics to be used to underwrite course-related travel by students who would otherwise not be able to participate in the Elon off-campus experience

- *L.L. Vaughan Chemistry Fund*

Established by the estate of the late Professor L.L. Vaughan, a trustee of the College from 1928 to 1956

- *Drusilla Dofflemeyer Voorhees Fund*

Established in honor of Drusilla Dofflemeyer Voorhees '24 by friends in recognition of her contribution to education

- *Wachovia Fund for Excellence*

To provide unrestricted support

- *The Walter and Dorothy Westafer Fund for the Fine Arts*

Given in memory of Dorothy Stambaugh Westafer by family and friends of (Walter and Dorothy Westafer) to enrich programs and projects that will enhance the cultural life of the Elon College campus

- *Milton G. Wicker Endowment Fund*

Established by bequest to provide unrestricted income

Endowed Scholarships

The following scholarships are awarded to students who have completed the application procedures described for need-based aid. Awards are made at the direction of the Office of Admissions and Financial Planning according to the guidelines established by the donors of the individual endowments. These endowments are provided through the generosity of private donors

- Alamance-Caswell County Medical Auxiliary Scholarship
- Edward M. Albright Memorial Fund
- Simeon Lee Allen Scholarship
- Nina and Dickie Andrews Scholarship
- The Rev. J. Frank Apple Memorial Scholarship
- Asheville-Charlotte A. Hebard Scholarship
- J.O. Atkinson Memorial Scholarship
- Barrett-Harward Scholarship
- Walter H. Bass III and Barbara Day Bass Scholarship
- Robert C. Baxter Scholarship
- Robert Charles Beisinger Scholarship
- Jennie Willis Atkinson Bradford Scholarship
- Ned F. Brannock Scholarship
- Dr. and Mrs. R.E. Brittle Scholarship
- Trudie K. Bueschel Christian Education Scholarship
- Burlington Business and Professional Women's Club Scholarship
- Burlington Handbags Scholarship
- William E. "Buster" Butler Jr. and Mary Griffin Butler Scholarship
- Byrd Scholarship
- Caddell Memorial Scholarship
- John L. Cameron Scholarship
- The Pauline Nina Taylor Cammack Memorial Scholarship
- Isabella Walton Cannon Scholarship Endowment Fund
- The Dr. George L. Carrington Scholarship
- Fanny Pearle Castor and Frank Stevens Castor Endowment Fund
- Caswell-Alamance Scholarship
- Philip Vance Cates Memorial Scholarship
- The Z. Vance and Philip Vance Cates Scholarship
- Wallace L. Chandler Scholarship
- Frederica Olsson and Constant Woodman Chase Jr. Scholarship
- Cheek Scholarship
- Class of 1925 Scholarship
- Class of 1930 Scholarship
- Class of 1940 Scholarship
- Class of 1941 Scholarship
- Community Congregational Church Scholarship
- George D. Colclough Scholarship
- Carl and Betty Coley Scholarship
- Alyse Smith Cooper Music Scholarship
- Janie E. Council Scholarship
- Billy Crocker Jazz Scholarship
- Alan Wheeler Crosby Memorial Scholarship
- Verona Daniels Danieley Scholarship
- T.B. Dawson Scholarship
- Dewey Hobson Dofflemeyer Scholarship
- W. Clifton Elder Scholarship

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- Elon College Community Church Scholarship
 - First Christian Church, Portsmouth, Va., Memorial Scholarship
 - Clyde Lee and Bertie S. Fields Memorial Scholarship
 - First Union Bank Scholarship
 - A.J. Fletcher Music Scholarship
 - H. Terry and Nonnie B. Floyd Scholarship
 - Lacy R. Fogleman Scholarship of St. Mark's Reformed Church
 - Rudy M. and Frances Turner Fonville Scholarship
 - Franklin Congregational Christian Church Scholarship
 - E.E. Funderburk Jr. M.D. Scholarship
 - The Charles A. Frueauff Foundation Scholarship
 - Allen Erwin Gant Scholarship
 - The John L. Georgeo Scholarship
 - Glen Raven Mills Educational Award
 - The Mills E. and Katherine B. Godwin Scholarship
 - Judge Eugene A. Gordon Scholarship
 - John S. Graves Scholarship
 - Griswold-Watts Scholarship
 - Mable M. Haith Scholarship
 - Jewell Presnell and Carl C. Hall Memorial Scholarship
 - Robert Kelley and Pearle J. Hancock Scholarship
 - Dr. Howard S. Hardcastle Memorial Scholarship
 - Ollie Clemmons Hedrick and Leah Margaret Tickel Hedrick Scholarship
 - Edward Everett Holland Scholarship
 - Howard Braxton Holmes Memorial Fund
 - Vitus Reid Holt Scholarship
 - A.L. Hook Scholarship
 - Bernice and Doris Horne Scholarship
 - Kenneth K. Hughes Scholarship
 - Edward, Rena Maude and Allen Iseley Scholarship
 - Archie and Adelaide Israel Scholarship
 - Laura and Nelson Jackson Scholarship
 - Mr. and Mrs. Burney Jennings Scholarship
 - Dr. I.W. Johnson Scholarship
 - Ada Smith Johnston Scholarship
 - Charles D. Johnston Scholarship
 - Effie Wicker Johnston Music Scholarship
 - Rebecca Johnston Music Scholarship
 - Virginia Somers Jones Scholarship
 - John M. Jordan Scholarship
 - Lecy Martin Kernodle Scholarship
 - Virginia Beale Kernodle Scholarship
 - Lucian and Lelia King Scholarship
 - Sherri Sparrow King Scholarship
 - Ralph F. and Florance Kirkpatrick Scholarship
 - Hosea D. and Minnie Trollinger Lambeth Scholarship
 - The Lester Scholarship
 - Edward W.W. Lewis Scholarship
 - Max Lieberman Scholarship
 - Asa Liggett Lincoln Scholarship
 - Jack R. and Dorothy C. Lindley Scholarship
 - Claude V. and Alva Lee Currin Long Scholarship

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- Wilkes Estes Lowe Jr. Scholarship
 - Zebulon and Alma Lynch Scholarship
 - Lynnhaven Colony Congregational Church (UCC) Scholarship
 - Sue Boddie Macon Memorial Fund
 - Winona Morris Madren Scholarship
 - W.L. and Beulah McNeill Maness Scholarship
 - William Raymond Massey Scholarship
 - J. Mark and Kate Strader McAdams Scholarship
 - John Z. and Mildred W. McBrayer Scholarship
 - John A. and Iris McEwen McCrary Scholarship
 - Robert Rodgers Miskelly Memorial Scholarship
 - The Jane Belk Moncure Scholarship
 - Mr. and Mrs. B.A. Moser Scholarship
 - Niagara Church Scholarship
 - Francis Asbury Palmer Scholarship
 - Annie Ruth Webb Parker Scholarship
 - The Vivian Wrenn Pell Scholarship
 - Wayne H. and Mabel B. Perrine Memorial Scholarship
 - The Donald W. and Shirley M. Perry Scholarship
 - Paul C. and Margaret S. Plybon Scholarship
 - Rex and Ina Mae Powell Scholarship
 - O.D. Poythress Scholarship
 - The Rev. Lacy M. Presnell Memorial Scholarship
 - Presser Scholarship
 - Emmett H. and Katherine R. Rawles Scholarship
 - Japheth E. Rawls Jr. and Virginia R. Rawls Endowment Fund
 - Paul Reddish Scholarship
 - David L. Rice Memorial Scholarship
 - Howard R. and Virginia E. Richardson Scholarship
 - Richmond Almuni Chapter Scholarship
 - Bessie Holmes and George B. Robbins Scholarship
 - Arthur H. and Trudy B. Rogers Scholarship
 - Viola V. and Amos Thornton Rollings Scholarship
 - Albert Oscar and Mary Susan Rudd Scholarship
 - William Lee and Ruth Crosby Rudd Scholarship and Loan Fund
 - Sanders-Myers Memorial Scholarship
 - Renold O. Schilke Trumpet Scholarship
 - The Zondal Myers Sechrest Scholarship
 - John Duncan Shaw Scholarship
 - Nancy Gordon Sheffield Scholarship
 - Dr. Charles E. Shelton Memorial Scholarship
 - John L. Sills Jr. Scholarship
 - W.W. and Bessie Pickett Sloan Scholarship
 - Oscar F. Smith Memorial Foundation Scholarship
 - Somers Scholarship
 - Annie Ross Somers Scholarship

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- John and Helene Sparks Scholarship
 - Stadler's Country Hams, Inc. Scholarship
 - William Wesley Staley Scholarship
 - Mary Frances Stamey Memorial Scholarship
 - Sigmund Sternberger Scholarships
 - Alda June Jones Stevens Memorial Scholarship
 - Elwood E. Stone Sr. Scholarship
 - William H. and Marguerite R. Stratford Scholarship
 - Theo Strum Scholarship
 - St. Mark's Reformed Church Scholarship
 - Suffolk Christian Church Scholarship
 - Algernon Sydney Sullivan and Mary Mildred Sullivan Scholarships
 - Taylor Scholarship
 - *Times-News* Publishing Company, Inc. Scholarship
 - Wallace Lincoln Tuck Scholarship
 - Arline Lindsay Tweed Scholarship
 - Union United Church of Christ Scholarship
 - C. James Velie Memorial Music Scholarship
 - Thyra Wright Vestal Scholarship
 - Robert R. Wagner Memorial Scholarship
 - Wake Chapel Scholarship
 - Catherine N. Walker Scholarship
 - Cynthia Nicole Ward Education Endowment
 - William I. Ward Sr. and David Samuel Ward Scholarship
 - Dudley Ray Watson Memorial Scholarship
 - L.V. and L.B. Watson Scholarship
 - Watterson-Troxler History Scholarship

- The Floyd E. West Scholarship
- Colonel Henry E. White Scholarship
- Margaret Delilah Bobbitt White Scholarship
- Nellie Glenn White Scholarship
- Jeanne Freeman Williams Scholarship
- Minnie Johnston Wilson Scholarship
- James R. and Nina B. Young Endowment Fund
- John F. Youngblood Scholarship
- Youth Friends Scholarship

Scholarship Awards in Athletics

Endowments for grants-in-aid in athletics are administered through the Department of Athletics in accordance with NCAA and Conference guidelines. Endowments are made possible through the generosity of private donors.

- Frank Andrews Golf Scholarship
- R. H. Barringer Distribution Co., Inc. Tennis Endowment
- C. V. "Lefty" Briggs Athletic Scholarship
- Luther Byrd Scholarship
- The Comer Golf Scholarship
- Dwight L. Dillon Athletic Scholarship
- John L. Frye Scholarship
- Chester Huey Scholarship
- Clyde Johnston Golf Scholarship
- Cameron Little Memorial Scholarship
- Graham "Doc" Mathis Athletic Scholarship
- Florence and L.G. Matkins Scholarship

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- William R. "Bill" Miller Basketball Scholarship
 - L.J. "Hap" Perry Athletic Scholarship
 - Tom Sawyer-Huck Finn Tennis Scholarship
 - James C. Scott Golf Scholarship
 - William Brown Terrell Scholarship
 - Sid Varney Scholarship
 - D.C. "Peahead" Walker Scholarship
 - Clyde T. and Esther Ward Golf Scholarship
 - Max Ward Scholarship
 - Mr. and Mrs. W. Hunt Ward Golf Scholarship
 - S.S. "Red" Wilson Football Scholarship
 - C. Carl Woods Athletic Scholarship

Leadership Scholarships

Endowments provided through the generosity of private donors generate earnings which are awarded through the Leaders for the Twenty-First Century program.

- Frederick Wharton Beazley Scholarship
- Carol Grotnes Belk Endowment
- Brannon-Sugg Scholarship
- Class of 1938 Centennial Scholarship
- J.E. Danieley Scholarship
- Thad Eure Scholarship
- Mary Ruth and Archibale F. Fleming Jr. Scholarship

- The Frederick K. Gilliam Sr. Scholarship
- Don S. and Margaret M. Holt Scholarship
- Margaret Plonk and S. Carlisle Isley Scholarship
- Juanita Wheeler Keeton Scholarship
- Esther Cole and John Robert Kernodle Endowment
- Luther A. and Georgia V. Lineberger Memorial Scholarship
- C. Almon "Mon" McIver Centennial Scholarship
- Virginia Green Miles, W. Bennett Miles and Ellen Miles Dumville Memorial Fund
- Hurley D. Rogers Memorial Scholarship
- Bertha Paschall Shipp Scholarship
- Southern Bell Fellows Scholarship
- Thomas R. "Bud" and Doris Ward Stadler Scholarship

Presidential Scholarships

The following are Presidential Scholarships honoring Elon's past presidents and are awarded to freshmen.

- William S. Long Scholarship
- W.W. Staley Scholarship
- E.L. Moffitt Scholarship
- W.A. Harper Scholarship
- Leon Edgar Smith Scholarship
- J. Earl Danieley Scholarship



Academic Regulations

Undergraduate Degree Requirements

Degrees and Major Fields

Bachelor of Arts (A.B.)

Biology	Mathematics
Chemistry	Music
Communications (Broadcast and Corporate)	Music Performance
Computer Science	Music Theatre
Economics	Philosophy
Education	Physics
Elementary (K–6)	Political Science
Middle Grades (6–9)	Psychology
Secondary Certification	Public Administration
English	Religious Studies
French	Science Education
History	Social Science
Human Services	Sociology
Journalism	Spanish
	Theatre Arts

Bachelor of Science (B.S.)

Accounting	Health Education
Biology	Leisure/Sport Management
Business Administration (Management, Finance, Marketing, International Management and Management Information Systems)	Mathematics
Chemistry	Medical Technology
	Music Education
	Physical Education
	Sports Medicine

For Graduate programs see pages 71-76 and/or the Graduate Catalog.

Bachelor's Degree Requirements

Elon College offers an academic program consisting of a minimum of 126 semester hours of credit for the Bachelor's degree. The degree consists of a major field of concentration in the liberal arts or in a professional or preprofessional area, a General Studies program and elective courses. To earn a baccalaureate degree the student completes the academic program below:

- 1. Satisfactory work in one major subject
- 2. Completion of General Studies as follows
 - a. Foundational Studies 9
 - (1) English 111, 112 (Freshman English Composition) 6
 - (2) Mathematics (above MTH 100) 3
 - b. Liberal Studies 31
 - (1) Expression 6
 - Eloquent and creative expression in literature and fine arts.
 - Six hours chosen from art, dance, English, fine arts, music, theatre, at least three hours of which must be English.
 - (2) Science (Analysis) 7
 - Rational processes of testing hypotheses and arriving at precise answers using established and experimental data.
 - One physical or biological laboratory science and three hours chosen from either mathematics or science.
 - (3) Reflection 6
 - Ultimate questionings through rational inquiry and beyond to faith, contemplation and insight. Six hours chosen from religion and/or philosophy, at least three hours of which must be religion.
 - (4) Civilization 6
 - Historical and cultural context beyond the present day. Six hours chosen from history and/or from one foreign language.
 - (5) Society 6
 - Studies social institutions, culture, personality and the environment as these order human relationships. Six hours chosen from two of the following: economics, geography, political science, psychology and sociology.
 - c. Advanced Studies 12
 - In addition to the above requirements, students will complete 12 hours of junior/senior level courses outside the major field chosen from at least three of the five areas listed under Liberal Studies. It is strongly recommended that one of these courses be a General Studies Seminar which integrates two or more disciplines.
 - d. Physical Education 160 2

3. Electives
4. Satisfactory completion of a comprehensive evaluation in the major field of study
5. A minimum of 36 semester hours of junior/senior level work
6. One full academic year of study at Elon (32 semester hours or more), including the last term before graduation
7. Twice as many quality points as credit hours attempted must be earned
8. Participation in commencement exercises

Every student is subject to General Studies basic competency assessments in his/her freshman and sophomore years as part of the ongoing evaluation of the General Studies requirements.

Students must demonstrate competence in English and mathematics or successfully complete English 100 and Mathematics 100 before beginning Foundational Studies. Foundational Studies should be completed by the end of the sophomore year.

Students who have not passed Algebra II should make up this deficiency by taking Mathematics 100 during the freshman year.

Students who have not had two years of one foreign language in high school must make up this deficiency by taking two semesters of one foreign language. Courses taken to remove this deficiency will not satisfy the General Studies requirements.

A maximum of 15 semester hours of internship/cooperative education

credit may be applied to the 126 semester hours required for the A.B. and B.S. degrees.

Students must apply for graduation by the dates published by the Registrar.

A student may graduate under the provisions of the catalog published the year of first enrollment, provided the course of study is completed within five years. After the interval of five years, a student's credits will be subject to review by the Dean of Academic Affairs.

Students who qualify for more than one major must select the primary major for which they will receive a Bachelor's degree. No student will be awarded two degrees at commencement.

It is the student's responsibility to be familiar with the preceding requirements for graduation.

The Major

A minimum grade point average of 2.0 in the requirements for the major is required for graduation. The student may elect to complete more than one major. No later than the beginning of the junior year, each candidate for a Bachelor's degree must select a major field. Requirements for each major are listed with the courses of instruction.

The Minor

A candidate for the Bachelor's degree may elect a field (or fields) of minor concentration, consisting of at least 18 semester hours with a minimum grade point average of 2.0.

General Academic Regulations

Registration and Courses

Classification

Classifications are made at the beginning of the college year in September.

- *Freshman*
1–26 semester hours completed
- *Sophomore*
27–59 semester hours completed
- *Junior*
60–92 semester hours completed
- *Senior*
93 or more semester hours completed

Course Load

Fifteen hours of college work per semester is considered the normal student load. Students who are on academic probation are limited to a maximum load of 13 semester hours in fall and spring semesters.

During the one-month winter term, three hours of college work is the normal load for all students.

Maximum load for any one semester is as follows:

- Fall and Spring Semesters, 18 semester hours
- Winter Term, 4 semester hours
- Summer Term, 7 semester hours

Any exception to this policy is the responsibility of the Academic Dean's Office.

Course Registration

Students are expected to register for themselves on the designated days in August, January and Febru-

ary. Registration information is available to all students. Registration includes academic advising, selection of courses and payment of fees. Before preregistration or registration, each student should consult with his/her academic advisor on course selection, General Studies requirements, major requirements and other degree requirements. However, it is the responsibility of the student, not the academic advisor, to ensure that all college graduation requirements are met.

Registration is for an entire course, and a student who begins a course must complete it except in unusual circumstances. Unless the student and his/her advisor consider it essential, a student should not change his/her schedule after registration.

Auditing Courses

Persons wishing to attend certain courses regularly without doing the assigned preparation or receiving credit may do so with the approval of the Registrar. The cost is \$125 for each course.

Changes in Class and Schedule

The college reserves the right to cancel or discontinue any course because of small enrollment or for other reasons deemed necessary. In order to assure quality instruction, the college reserves the right to close registration when the maximum enrollment has been reached. The college reserves the right to make changes in schedule and/or faculty when necessary.

Credit by Examination (Course Challenge)

A student may receive credit for a course not taken by demonstrating mastery of its subject matter. To challenge a course, a student must have the approval of the Dean of Academic Affairs, the chair of the department in which the course is offered and the professor who will test the student's mastery of the subject matter. Whenever possible, the student should consult the professor far enough in advance of the term in which the examination will be taken to determine course requirements and standards and to begin to make independent preparations. However, the student should expect no assistance from the professor other than being informed of the material to be covered on the examination. Under no circumstances shall a student be allowed to attend classes of the course being challenged. The cost for each examination is \$170.

Dropping Courses

A student may officially drop any class with a "W" (withdraw without penalty) through half of the term—this includes the week of examinations. The withdrawal period applies to the regular semesters, winter term and the summer sessions. After that date no class may be dropped. Any exception to this policy is the responsibility of the Academic Dean's office.

A student who withdraws from the college for any reason (except for a medical reason) receives

grades of "W" if the withdrawal is before the designated half-term time period. After this time a student will receive a "W" or "F" depending on his/her grades at the time of withdrawal. A student who withdraws from the college with a medical withdrawal will receive a "WD."

Independent Study

Students may engage in independent study of catalog courses, special topics and research projects. Independent Study is limited to honors students, juniors and seniors. A course may not be repeated by Independent Study. Details concerning the procedure for developing an Independent Study proposal may be obtained in the Registrar's Office.

Overload

A student whose cumulative grade point average is less than 3.0 may not register for overload hours in any term. See previous page on course load.

Pass/Fail Elective Courses

A student may take two one-semester courses outside the major, minor and General Studies requirements on a pass/fail basis. The pass/fail option encourages students to enrich their educational experience in subjects outside their major/minor fields and General Studies requirements in which they may feel unable to maintain a desirable grade point average. The decision to take a course pass/fail must be made at registration before the first class period.

Repeat Courses

Courses repeated within four semesters of attendance (excluding winter and summer sessions) following the first enrollment in the course count only once in computing the cumulative grade point average. In such cases the most recent grade is counted rather than any previous grade(s) received. However, a course repeated more than once will count in the cumulative grade point average each time it is repeated. (Students receiving Veterans' benefits should consult the V.A. representative.)

Attendance

Since students must attend classes regularly in order to derive maximum benefit from their courses, the college strictly and fairly enforces policies governing classes, and students are responsible for knowing attendance regulations. Each department establishes its own attendance policy. If unwarranted absences occur, the Dean of Academic Affairs may suspend the student from the class or from the college.

Absence From Tests and Examinations

Students who miss scheduled tests and examinations without excusable reasons may not make up such assignments. Authorization to make up tests missed for excusable reasons is obtained from the professor of the class. Authorization to make up final examinations missed for excusable reasons is obtained from the Office of the Dean of Academic Affairs.

Grades and Reports

Grading System and Quality Points

Graduation is dependent upon quality as well as upon quantity of work done.

A student earns quality points as well as semester hours if his level of performance does not fall below that of a "D."

Letter grades are used. They are interpreted in the table below, with the quality points for each hour of credit shown at right.

<u>Grade</u>	<u>Quality Points</u>
A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
C-	1.7
D+	1.3
D	1.0
D-	0.7
F	0.0

A grade in the "A" range indicates distinguished performance in a course.

A grade in the "B" range indicates an above-average performance in class.

A grade in the "C" range indicates an average performance in which a basic understanding of the subject has been demonstrated.

A grade in the "D" range indicates a passing performance despite some deficiencies.

A grade of "F" indicates failure.

Grades in the ranges of "A," "B," "C," "D," and "F" are permanent grades and may not be changed except in case of error. After an instructor has certified a grade to the Registrar, he may change it before the end of the next regular grading period. The change must be made in writing and have the written approval of the department chair.

An "I" grade signifies incomplete work because of illness, emergency, extreme hardship or self-paced courses. It is not given for a student missing the final examination unless excused by the Dean of Academic Affairs upon communication from the student. The student receiving a grade of "I" completes all work no later than nine class days after mid-semester grades are due during the following semester. A final grade is submitted to the Registrar by the instructor the following Monday. After this date the "I" grade automatically changes to "F" unless an extension is granted by the Dean of Academic Affairs.

Grade Point Average (GPA)

The grade point average is computed by dividing the total quality points on work attempted at Elon College by the number of hours attempted except for courses with grades of "P," "S," "WD," or "W."

Grade Reports

Students are graded at mid-semester as well as at the end of each semester. Mid-semester grades serve as progress reports and are not entered on students' permanent records.

Dean's List

The Dean's List recognizes and encourages excellence in academic work. A student who has no grade below a "B-" and a grade point average of at least 3.4 in a minimum of 12 semester hours in any semester is placed on the Dean's List for the following semester. Classes passed on a Pass/Fail basis or classes with grades of "S," "WD," or "W" are not included in Dean's List eligibility.

Graduation With Honors

Students completing at least 66 credit hours at Elon College may be graduated with honors. Candidates for graduation with an average of 3.9 or above are graduated summa cum laude; those with 3.7 or above, magna cum laude; and those with 3.4 or above, cum laude. In computing eligibility for honors, only work attempted at Elon College will be used.

Elon College provides a comprehensive Honors Program for all students of all majors. Emphasis is placed on honors courses, special academic advising, preparation for graduate school and special activities. Honors Program students who complete a minimum of six honors experiences and maintain a cumulative GPA of 3.0 will receive "Honors Fellow" recognition at graduation.

Access to Student Educational Records

Elon College complies with the Family Educational Rights and Privacy Act of 1974. This Act protects the privacy of educational records,

establishes the right of students to inspect and review their educational records and provides guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with the Family Educational Rights and Privacy Act Office (FERPA) concerning alleged failures by the institution to comply with the Act.

Questions concerning the Family Educational Rights and Privacy Act may be referred to the Office of the Registrar.

Transcripts of Student Records

Requests for copies of a student's record should be made to the Office of the Registrar. All transcripts reflect the student's complete academic record. No transcripts are issued without the written authorization of the student. No transcript is issued for a student who has a financial obligation to the college.

Work at Other Institutions

Students who plan to take courses at other institutions during summer sessions must have the prior written permission of the Registrar. Currently enrolled students must have a minimum 2.0 GPA in order to transfer course credit from another institution to Elon College. After completion of such courses, the student presents an official transcript of his record to the Registrar. The maximum credit permitted for correspondence instruction is 12 semester hours.

Academic Standards and Withdrawal

Academic Standing

Academic standing is determined by the earned grade point average for any one semester of attendance and for cumulative work. A student whose cumulative grade point average falls below 2.0 is reviewed by the Academic Standing Committee and placed on academic probation or academic suspension.

Probation

Students are notified that their grade point average is below 2.0, that they are limited to a maximum load of 13 semester hours, and that three consecutive semesters on probation will result in suspension.

Suspension

Students are separated from Elon College and one academic semester must elapse before they are eligible for readmission.

In order to continue at the College a student must earn a minimum grade point average each semester of 1.0 and at the end of spring semester have:

- Freshman
1–26 semester hours completed,
1.6 grade point average
- Sophomore
27–59 semester hours completed,
1.7 grade point average
- Junior
60–92 semester hours completed,
1.8 grade point average
- Senior, 93 semester hours completed,
2.0 grade point average

Any student failing to meet these guidelines will be academically ineligible for the next semester and suspended from the college. During the suspension period which includes fall or spring semester, the student may apply for readmission and, if readmitted, will be placed on academic probation. A student who is suspended a second time for academic reasons is normally not readmitted to the college.

Dismissal

The college reserves the right to suspend or dismiss any student(s) when it believes that such action is in the best interest of the institution and/or the student(s). This action will take place only after careful consideration with the student(s) in question and all other parties with information pertinent to the matter at hand.

Withdrawal

If for any reason a student concludes that he/she must leave the college on a temporary or long-term basis, he/she must confer with the Office of the Dean of Student Affairs and the Dean of Academic Affairs to formalize plans. Faculty will be requested to report student progress in class at the time of withdrawal by indicating either a "W" or "F" grade. A student withdrawing with medical reasons will receive grades of "WD." The official record of the student cannot be cleared until the withdrawal is complete.



Graduate Degree Requirements

Degrees and Major Fields

Master of Business Administration (MBA)

Master of Education (M.Ed. in Elementary Grades or Middle Grades)

Master of Business Administration (MBA)

Elon College offers an opportunity for individuals to earn a Master of Business Administration (MBA) degree while continuing their careers. All courses are taught in the evenings (fall, spring and summer). During fall and spring semesters, students may take from one to four courses.

Admission Policy

The MBA admissions policy encourages the selection of students who have demonstrated both academic ability and managerial promise. Each application is considered in the light of all completed academic work, the Graduate Management Admission Test score, evidence of leadership and motivation, work history, level of responsibility and letters of recommendation.

Undergraduates are not permitted to register for graduate courses.

Basic Requirements

- Earned baccalaureate degree from an accredited college or university
- Strong undergraduate record
- Official transcripts of all undergraduate and any graduate studies undertaken

- Test score from GMAT taken within last five years
- Grade Point Average (GPA) and the Graduate Management Admissions Test (GMAT) score are used in the admissions process by combining them through the following formula: $(\text{GPA} \times 200) + \text{GMAT}$. To be considered for admission, the applicant must have a minimum index score of 950, a minimum GPA of 2.0 (on a 4.0 scale) and a minimum GMAT score of 400
- Three letters of reference

Degree Requirements

- Completion of prerequisite courses specified under foundation studies
- Overall minimum grade point average of 3.0 in graduate studies
- Completion of 36 graduate hours (12 courses) within six calendar years
- Completion of the last six semester hours at Elon College
- Application for graduation by the dates published by the Registrar
- Participation in Commencement exercises, except for those completing requirements during summer school

Program of Study

Core Curriculum

The Core Curriculum, required of all MBA students, consists of the following eight 500-level courses:

ACC 514	Managerial Accounting	3 s.h.
BA 512	Quantitative Decision Methods	3 s.h.
BA 515	Financial Management	3 s.h.
BA 516	Marketing Management	3 s.h.
BA 523	Business Communications	3 s.h.
ECO 511	Advanced Statistical Analysis	3 s.h.
ECO 513	Managerial Economics	3 s.h.
BA 565	Business Policy	3 s.h.

(Capstone course taken after minimum 24 hours completed.)

Electives

Electives comprise the remainder of a student's program of study. Four must be selected from the 500-level courses offered. These courses vary, including courses such as:

ACC 574	Financial Statement Interpretation and Analysis	3 s.h.
BA 521	Organizational Behavior	3 s.h.
BA 522	Organizational Development and Theory	3 s.h.
BA 524	Operations Management	3 s.h.

BA 525	Management Information Systems	3 s.h.
BA 526	Business and Society	3 s.h.
BA 527	Legal Environment of Business	3 s.h.
BA 528	International Business	3 s.h.
BA 529	International Management	3 s.h.
BA 571	Special Topics	3 s.h.
BA 573	Advertising Strategy	3 s.h.
BA 575	Personnel Administration	3 s.h.
BA 577	Investment Management	3 s.h.
BA 578	Productivity Improvement	3 s.h.
BA 579	Marketing Research Methods	3 s.h.
BA 587	Seminar in Finance	3 s.h.

Program Guidelines

- Any needed/required foundation studies courses and ACC 514; BA 512, 515, 516, 523; and ECO 511, 513 should be scheduled early in the program
- The latter stages of the program should be heavily weighted with electives
- Business Policy (BA 565) should culminate the program

Course Load

Students may enroll in one to four courses during fall and spring semesters. It is recommended that students who are employed full-time register for no more than two courses during a semester. At least

two courses will be scheduled during each of the two summer sessions; a student may enroll in one course each session. There will be no MBA courses scheduled during the college's three-week winter term.

Students normally begin the program in August, but entry during spring semester or summer school is an option. While it is possible to complete the requirements in one and one-half years, most students will take two or three years; six calendar years are allowed for completion of the MBA degree.

Course Schedules

During the fall and spring semesters, 500 level courses will be scheduled during evening periods as follows:

- Period One
6:00–7:20 p.m.
Monday and Thursday
- Period Two
7:30–8:50 p.m.
Monday and Thursday
- Period Three
6:00–8:50 p.m.
Tuesday
- Period Four
6:00–8:50 p.m.
Wednesday

Courses in the core curriculum and certain electives will meet twice a week in periods one or two. Other electives and the capstone course will meet once a week in periods three or four.

For an application, an MBA catalog or more information about the MBA program, please contact the Elon College Office of Graduate Admissions.

Master of Education (M.Ed.)

Elon College offers an opportunity for individuals to earn a Master of Education (M.Ed.) degree while continuing their careers. All courses are taught in the evenings during fall and spring semesters and in the daytime during summer school.

Admissions Policy

The M.Ed. admissions policy is designed to select students who have demonstrated both academic competence and teaching ability. Each application is considered in light of all completed academic work, scores from either the Graduate Record Examinations or the Miller Analogies Test, evidence of leadership and motivation, possession of a recognized teaching credential and letters of recommendation.

Undergraduates are not permitted to register for graduate courses.

Basic Requirements

- A bachelor's degree from a college or university accredited by the Southern Association of Colleges and Schools or a comparable accrediting association
- A 2.5 GPA overall for undergraduate work or 3.0 GPA for the last 60 semester hours or in the major courses

- Official transcripts of all undergraduate and any graduate studies undertaken
- A recognized teaching certificate or commitment to achieving certification. Candidates must have met undergraduate requirements for a North Carolina Initial Certification or higher before being recommended for graduate certification
- A minimum Miller Analogies Test score of 30 or a preferred verbal and quantitative score of 800 on the Graduate Record Examinations taken within five years prior to application for admission
- Three written references
- A written statement of educational and professional goals

Degree Requirements

- Completion of courses specified under the Core Curriculum and specialty area—Elementary or Middle Grades Education
- Overall grade point average of 3.0 or higher
- Completion of 30 graduate hours (10 courses) within six calendar years
- Satisfactory performance on a written comprehensive examination taken during or after the last semester of enrollment

- Completion of the last six semester hours at Elon College
- Application for graduation by the dates published by the Registrar
- Participation in Commencement exercises, except for those completing requirements during summer school

Programs of Study

All students are required to take the courses in the Core Curriculum.

Elementary Education

In addition to the Core Curriculum, students are required to complete Education 521, 530 and three courses from: Education 522, 540, 550, 571, 591; Mathematics 521, 523; and Science 560, 561, 562.

Middle Grades Education

In addition to the Core Curriculum, students are required to complete Education 524, 525 and three courses from the following subject areas in which the student has a concentration(s) for Middle Grades certification: Mathematics 521, 522, 523, 571; Science 560, 561, 562, 571; Social Studies 531, 541, 546, 571 and Education 571; Communication Skills—Education 530, 540, 551. Education 550 is an additional elective.

Core Curriculum—Elementary and Middle Grades

- EDU 511 Advanced Foundational Studies: Philosophical, Sociological and Historical Perspectives 3 s.h.
- EDU 515 Educational Testing and Measurement 3 s.h.
- EDU 516 Educational Research 3 s.h.
- PSY 515 Adv. Psychological Theory in the Classroom 3 s.h.

Capstone Course

- EDU 581 Clinical Supervision: Theory and Practice 3 s.h.

Additional Requirements Elementary Education (K-6)

- EDU 521 Survey of Elementary Curriculum: Development and Content 3 s.h.
- EDU 530 Diagnosis and Remediation in Language Arts 3 s.h.

Electives: Select three courses

- EDU 522 Communication Skills in the Elementary School 3 s.h.
- EDU 540 Literature for Children and Youth: Analysis and Application 3 s.h.
- EDU 550 Meeting Special Learning Needs of Children 3 s.h.
- EDU 571 Trends in Teaching Social Studies (K-9) 3 s.h.
- EDU 591 Independent Study 3 s.h.

- MTH 521 Math Concepts for the Elementary & Middle Grades School Teacher 3 s.h.
- MTH 523 Computers in the Elementary and Middle Grades Classroom 3 s.h.
- SCI 560 Advanced Physical Science for Elementary and Middle Grades Teachers 3 s.h.
- SCI 561 Advanced Earth-Science for Elementary and Middle Grades Teachers 3 s.h.
- SCI 562 Advanced Biological Science for Elementary and Middle Grades Teachers 3 s.h.

Additional Requirements Middle Grades Education (6-9)

- EDU 524 Preadolescent Development: Implications for Education 3 s.h.
- EDU 525 Effective Middle Grades Teaching 3 s.h.

Select three courses from the subject areas listed below in which the student has a concentration(s) for Middle Grades certification:

- MTH 521 Mathematical Concepts for the Elementary and Middle Grades School Teacher 3 s.h.
- MTH 522 Geometry for the Middle Grades School Teacher 3 s.h.
- MTH 523 Computers in the Elementary and Middle Grades Classroom 3 s.h.

MTH 571	Seminar: Special Topics	3 s.h.
SCI 560	Advanced Physical Science for Elementary and Middle Grades Teacher	3 s.h.
SCI 561	Advanced Earth-Space Science for Elementary and Middle Grades Teachers	3 s.h.
SCI 562	Advanced Biological Science for Elementary and Middle Grades Teachers	3 s.h.
SCI 571	Seminar: Special Topics	3 s.h.
SST 531	Advanced Studies in American Government	3 s.h.
SST 541	Special Topics in Economics	3 s.h.
SST 546	North Carolina in the Nation	3 s.h.
SST 571	Seminar: Special Topics	3 s.h.
EDU 530	Diagnosis and Remediation in Language Arts	3 s.h.
EDU 540	Literature for Children and Youth; Analysis and Application	3 s.h.
EDU 550	Meeting Special Learning Needs of Children	3 s.h.
EDU 551	Enhancing Oral and Written Communication	3 s.h.
EDU 571	Trends in Teaching Social Studies (K-9)	3 s.h.
EDU 591	Independent Study	3 s.h.

Course Load

Students may enroll in a maximum of three courses during fall and spring semesters. It is recommended that students who are employed full-time register for no more than two courses during a semester. Courses are scheduled during the summer months; there are no M.Ed. courses scheduled during the college's three-week winter term.

Six calendar years are allowed for completion of the M.Ed. program.

Course Schedules

During the fall and spring semesters classes are scheduled Monday, Tuesday and Wednesday from 5:30–8:30 p.m. Each class meets one evening per week.

Summer school terms are planned to accommodate working schedules of the public school teachers. Classes meet during the day.

For an application, M.Ed. catalog or more information about the M.Ed. program, please contact the Elon College Office of Graduate Admissions.

The departments of instruction are organized into four general divisions. These include areas of learning arranged as follows:

Division of Arts and Humanities:
Art, Communication, Dance, English, Fine Arts, French, Journalism, Music, Music Theatre, Philosophy, Religious Studies, Spanish, Theatre Arts and Women's Studies.

Division of Sciences and Mathematics: Biology, Chemistry, Computing Sciences, Mathematics, Medical Technology and Physics.

Division of Social Sciences:
Accounting, Business Administration, Cooperative Education, Economics, Geography, History, Human Services, Military Science, Political Science, Psychology, Public Administration and Sociology.

Division of Education and Health, Physical Education and Leisure/
Sport Management: Education, Health Education, Leisure/Sport Management, Physical Education and Sports Medicine.

Courses numbered 100-199 are on the freshman level, 200-299 on the sophomore level and 300 and above on the junior/senior level.

Accounting

The Martha and Spencer Love School of Business

Dean of Love School of Business:
Associate Professor Guffey

Chair, Department of Accounting:
Associate Professor McGregor

Assistant Professors: Cox, Gibney, Caldwell, Hall

To major in accounting a student must be admitted to the Love School of Business, generally after the sophomore year. Admission is required before 300-400 level Accounting courses can be taken. To be admitted a student must:

- Attain junior status and satisfy college standards for continued enrollment;
- Complete the following courses with an average of 2.0 within this group of courses: Mathematics 121 or 165; Economics 201, 246; Accounting 201, 212; Information Systems 116. Note that Accounting majors must complete Accounting 212.

In addition to the admission requirements of the Love School of Business, a major in Accounting requires Accounting 331, 332, 336, 341, 451, and 456; Business Administration 221, 323, 343, and 418; Economics 347.

A minor in Accounting requires Accounting 201, 202 or 212, 331, 336, and one additional Accounting course.

201. INTRODUCTION TO FINANCIAL ACCOUNTING

4 s.h.

Double-entry accounting with emphasis upon the conceptual framework of accounting, income statements and balance sheets; recording, analysis, and external reporting of financial data; financial accounting for proprietorships, partnerships and corporations is introduced. Prerequisite: IS 116.

202. BASICS OF MANAGERIAL ACCOUNTING

2 s.h.

The utilization of accounting data for decision making within an organization. Cost-volume-profit; manufacturing costs, budgeting, standard cost, normal cost system job order. Prerequisite: ACC 201. Credit will not be given for both ACC 202, 212.

212. INTRODUCTION TO MANAGERIAL ACCOUNTING

4 s.h.

An introduction to the preparation of utilization of financial data for internal management decision making. Cost-volume-profit analysis, relevant costs, budgeting, and the fundamentals of cost accounting are given emphasis. Credit will not be given for both ACC 202, 212. Primarily for accounting majors. Prerequisite: ACC 201.

331. INTERMEDIATE ACCOUNTING I

4 s.h.

A detailed treatment of the technical accounting considerations involved in the determination of income and financial position of business entities. The construction of the major financial statements is discussed, and accounting procedures and the working of accounting exercises are stressed. Prerequisite: Admission to Love School of Business. Fall semester only.

332. INTERMEDIATE ACCOUNTING II

4 s.h.

A continuation of the financial accounting considerations begun in ACC 331, with emphasis upon the liabilities and owners equity sections of the balance sheet, complex inventory valuation methods and intangible assets. Prerequisite: ACC 331. Spring semester only.

336. COST ACCOUNTING

4 s.h.

The purposes, concepts and procedures for generating production cost data. Concentration will be upon job order, process and standard cost systems. Interpretation of the data in each system will be presented,

including direct costing and C-V-P analysis. Prerequisite: Admission to Love School of Business. Spring semester only.

341. BASIC TAXATION

4 s.h.

An introduction to the basic structure of the federal tax system. Emphasis is placed upon the fundamental theories, procedures and rationale of the individual income tax.

Prerequisite: Admission to Love School of Business. Fall semester only.

365. ACCOUNTING APPLICATIONS

3 s.h.

Applications of Accounting to various business functions. The topics will vary from year to year. Prerequisite: Admission to Love School of Business. Winter term only.

442. ADVANCED TAXATION

2 s.h.

Advanced topics in federal taxation. Such topics as capital gains, tax-deferred transactions, the minimum tax, the investment credit, the taxation of corporations and the estate and gift tax are given emphasis. Prerequisite: ACC 341. Spring semester only.

451. ADVANCED ACCOUNTING I

4 s.h.

Course builds upon the foundation of Intermediate Accounting I and II. Analyzes business combinations, consolidated financial statements and governmental and nonprofit accounting. Prerequisite: ACC 332. Fall semester only.

456. AUDITING

4 s.h.

Auditing theory and practice, working papers, financial statements and professional ethics. Emphasis on auditing standards, statistical compliance testing and substantive testing. Prerequisite: ACC 332. Spring semester only.

471. SEMINAR: SPECIAL TOPICS

1-4 s.h.

Advanced study consisting of reading problems, reports, discussions of current

topics or CPA review. Participation by students, departmental faculty and other resource persons.

481. INTERNSHIP IN ACCOUNTING

1-3 s.h.

491. INDEPENDENT STUDY

1-3 s.h.

Art

Chair, Department of Fine Arts:

Professor Myers

Assistant Professors: Sanford,

Kucharski

Part-time Instructor: J. Henricks

A minor in Studio Art requires 21 hours including Art 131, 232, 321, 323, and 491 (three semester hours); six semester hours selected from 230, 233, 234, 235, 330, 333, 334, 335 or 491.

110. INTRODUCTION TO STUDIO ART

3 s.h.

An introductory level class for students with little or no studio experience. This course does not count toward the minor in Art.

131. 2-D DESIGN

3 s.h.

A basic course in the fundamentals of design with emphasis on two-dimensional media. One hour of lecture and five studio hours. Material fee: \$15.

230. CERAMICS I

3 s.h.

Techniques of working with clay in the production and firing of pottery. Experience in handbuilding and throwing pieces on the potter's wheel. One hour of lecture and five studio hours. Materials fee: \$15.

231. 3-D DESIGN

3 s.h.

A continued study of the fundamentals of design with emphasis on three-dimensional media. One hour of lecture and five studio hours. Material fee: \$15.

232. DRAWING

3 s.h.

Basic course in the fundamentals of drawing and composition using various media. One hour of lecture and five studio hours. Material fee: \$15.

233. PAINTING I

3 s.h.

Experimental studies in the techniques of painting and composition using various media. Prerequisite: ART 131 or 232. Material fee: \$15.

234. WATERCOLOR I

3 s.h.

Experimental studies in the various techniques of painting with watercolor. One hour of lecture and five hours of studio. Prerequisite: ART 131 or 232. Material fee: \$15.

235. GRAPHICS I

3 s.h.

The development of creative ability and technical skill in the graphic media and linoprint, woodcut and intaglio. Prerequisite: ART 131. One hour of lecture and five studio hours. Material fee: \$15.

237. PHOTOGRAPHY I

3 s.h.

The course covers the basic operation of the camera and the dark room as well as the aesthetic consideration of photography as a fine art. A lab is attached to the course. Students must have a 35 mm camera. Lab fee: \$50.

321. HISTORY OF ART: PRE-HISTORY THROUGH MIDDLE AGES

3 s.h.

Historical survey of the major visual arts from the era of prehistory through the Middle Ages. Emphasis is on major artistic

styles, their origin and development; major works of art and their creators.

323. HISTORY OF ART: RENAISSANCE TO THE PRESENT

3 s.h.
Historical survey of the major visual arts from the Renaissance to the present. Emphasis on major artistic styles, their origin and development, major works of art and their creators.

326. STUDIES IN ART HISTORY

3 s.h.
A topically oriented class which covers in-depth a particular period, style, or theme in the history of art.

330. CERAMICS II

3 s.h.
A continuation of ART 230, which is a prerequisite. Material fee: \$15.

333. PAINTING II

3 s.h.
A continuation of ART 233, which is a prerequisite. One hour of lecture and five studio hours. Material fee: \$15.

334. WATERCOLOR II

3 s.h.
A continuation of ART 234, which is a prerequisite. Material fee: \$15.

335. GRAPHICS II

3 s.h.
A continuation of ART 235, which is a prerequisite. Material fee: \$15.

368. ART IN THE ELEMENTARY SCHOOL

2 s.h.
This course provides the Elementary Education major with the methods and materials, principles and fundamentals of visual arts in the elementary classroom. This course cannot be counted toward the minor in Art. Enrollment is limited to Elementary Education majors who have successfully completed EDU 211, 281. Material fee: \$10.

481. INTERNSHIP IN ART

1-3 s.h.

491. INDEPENDENT STUDIO

1-3 s.h.
Individual study and experimentation. Open only by the permission of Art faculty. Maximum credit allowed toward a degree is six hours.

Biology

Chair, Department of Biology and Allied Health: Associate Professor Mason

Professors: Rao, H. House

Associate Professor: N. Harris

Assistant Professors: Gallucci, Kingston, Ulrich

A Bachelor of Arts degree with a major in Biology requires Biology 111, 113, 221, 222, 322, 345, 452, 461, 462 and eight additional semester hours of laboratory science classes in Biology above the 100 level; Physics 101, 107; Chemistry 111, 112, 113, 114, 321, 322, 323 and 324.

A Bachelor of Science degree with a major in Biology requires Biology 111, 113, 221, 222, 322, 345, 452, 461, 462 and eight additional semester hours of laboratory science classes in Biology above the 100 level; Mathematics 265; Physics 111, 112, 115, 116; Chemistry 111, 112, 113, 114, 321, 322, 323, and 324.

Students planning to teach in secondary school should refer to Science Education for requirements.

A minor in Biology requires Biology 111 and 113 plus five additional Biology courses above the 100 level.

101. TOPICS IN GENERAL BIOLOGY

3 s.h.

A topical approach to the basic concepts underlying biology. This course will explore and clarify one or more topics related to basic biological concepts. The choice of topics is determined by the individual instructor. The course may deal with a concentrated array of biological topics such as diseases or may be more broadly based and cover several topics (genetics, evolution and environment). The topics will cover current concerns, knowledge and basic biological concepts associated with that knowledge. Biology 102 should be taken concurrently to satisfy the four hour lab/science requirement. No credit given to students with prior credit for Biology 111. No credit toward the Biology major or minor.

102. GENERAL BIOLOGY LAB

1 s.h.

A two-hour Biology laboratory to provide the lab experience for Biology 101. Biology 102 should be taken concurrently with Biology 101 to satisfy the four hour lab/science requirement. No credit for students with prior credit for biology 113. No credit toward the Biology major or minor.

105. CURRENT ISSUES IN BIOLOGY

3 s.h.

A course designed for the nonscience major which will focus on reading, interpreting and evaluating facts behind current biological issues and their impact on today's society. The issues will be explored in the context of both their scientific implications and their overall implications to human society. Students will conduct library research, present oral reports and write papers on these issues. No credit toward the Biology major or minor.

111. INTRODUCTORY CELL BIOLOGY

3 s.h.

An introduction to the study of cell chemistry, cell organization, structure and function as well as the cellular aspects of reproduction and energetics. Required of all biology majors and minors. Biology 113 should be taken concurrently.

113. CELL BIOLOGY LAB

1 s.h.

A three-hour biology laboratory to provide the lab experience for Biology 111. Required of all biology majors and minors. Biology 113 should be taken concurrently with Biology 111.

121. BIOLOGICAL DIVERSITY

3 s.h.

A basic study of the world around us as seen through biological diversity and a survey of plant and animal biology. This course will emphasize the importance of diversity to our existence and provide basic knowledge of the structure and function of plants and animals as well as interactions between them and human existence.

161. HUMAN ANATOMY

4 s.h.

A study of the human anatomy with emphasis in the areas of skeleton, muscle, nerves, endocrine, heart, blood, respiration, digestive and urinary aspects. Three class hours, one laboratory per week.

162. HUMAN PHYSIOLOGY

4 s.h.

A study of human physiology with emphasis in the areas of skeleton, muscle, nerve, endocrine, heart, blood, respiration, digestion and urinary aspects. Three class hours, one laboratory per week.

181. BIOLOGY LAB TECHNIQUES

2 s.h.

A training course for prospective lab assistants. Skills taught include lab procedures, materials preparation and grading procedures.

221. GENERAL ZOOLOGY

4 s.h.

A survey of the animal kingdom with emphasis on selected vertebrates and invertebrates, including basic concepts of morphology, anatomy, physiology and taxonomy. Three class hours, one laboratory per week. Prerequisite: BIO 111.

222. GENERAL BOTANY

4 s.h.

A survey of the plant kingdom with emphasis on vascular plants. Topics covered are general morphology, anatomy, physiology of metabolism and growth, economic importance and identification. Three class hours, one laboratory per week. Prerequisite: BIO 111.

301. ENVIRONMENTAL CONSERVATION

3 s.h.

An interdisciplinary study of the inter-relationships of man and the environment. Social, economic, ethical and political aspects of man's impact on environment are studied. Prerequisite: A previous lab science course. No credit toward the biology major.

311. COMPARATIVE VERTEBRATE EMBRYOLOGY

4 s.h.

The developmental process with emphasis on gametogenesis, differentiation, organogenesis and morphogenic patterns of development as it occurs in the frog, chick and a mammal. Three class hours, one laboratory per week. Prerequisite: BIO 221. Offered alternate years.

312. COMPARATIVE VERTEBRATE ANATOMY

4 s.h.

A comprehensive, comparative study of chordate anatomy with emphasis on evolution and morphology of systems. Lower chordates and vertebrates are used in dissection and study. Three class hours, one laboratory per week. Prerequisite: BIO 221. Offered alternate years.

321. MICROBIOLOGY

4 s.h.

A general survey of microorganisms with emphasis on bacteria, their cytophysiological characteristics and classification, viruses, microbial diseases and immunity and the role of microorganisms in human affairs. Three class hours, one laboratory per week. Pre-requisites: BIO 111, 113 and CHM 111, 112.

322. CELL BIOLOGY

4 s.h.

Structure of Prokaryotic and Eucaryotic Cells. Structure and function of subcellular components. Mechanisms of cellular reproduction, respiration, photosynthesis and protein synthesis are covered. Also discussed are cellular differentiation, growth and development, molecular genetics and general properties of viruses. Three class hours and one laboratory per week. Prerequisites: BIO 111, 113 and CHM 321, 322.

325. HUMAN HISTOLOGY

4 s.h.

A survey of the tissues of the human body with emphasis upon the cardiovascular, alimentary, respiratory, urinary and reproductive systems. Tissue identification and the relationship of microanatomy to physiology are stressed. Three class hours, one laboratory per week. Prerequisite: BIO 111 and 221. Offered alternate years.

335. FIELD BIOLOGY

4 s.h.

A field-oriented course, restricted to selected taxa, environments, or biological phenomena as they exist in nature. In-depth field studies may include identification, classification, life histories and interrelationships of selected organisms. Offered during winter and/or summer terms.

341. ANIMAL PHYSIOLOGY

4 s.h.

Emphasizes the functions, regulatory processes and responses occurring in the organ systems of the animal body. Three class hours, one laboratory per week. Pre-requisites: BIO 221, CHM 111, 112. Offered alternate years.

342. PLANT PHYSIOLOGY

4 s.h.

A study of the life processes of plants. Topics include photosynthesis, mineral nutrients, movement of materials, plant growth substances and senescence. Three class hours, one laboratory per week. Prerequisites BIO 222, CHM 111.

345. GENETICS

4 s.h.

An introduction to the Mendelian and molecular principles of genetics and the applications of these principles to the modern world. Three class hours, one laboratory per week. Prerequisites: BIO 111, 221 or 222, CHM 111, 112 or permission of instructor.

391. RESEARCH

1-2 s.h.

Library and laboratory or field research by the individual student under the direction of the departmental faculty. Open to students at all levels. Maximum total credit, eight semester hours. Prerequisite: Permission of the Biology staff.

425. BIOCHEMISTRY

3 s.h.

A survey of biochemistry as it relates to the physiology of organisms. Topics include: biochemical methodology; pH buffers and water; protein structure, function and synthesis; enzymes; bioenergetics; anabolism and catabolism of carbohydrates and lipids; metabolic regulation. Prerequisites: BIO 221 or 222 CHM 321-324 or permission of instructor. Offered alternate fall terms. (BIO 425 is the same as CHM 425.)

426. LAB FOR BIOCHEMISTRY

1 s.h.

Laboratory work to complement BIO/CHM 425. Experiments involve the isolation and analysis of proteins, lipids and carbohydrates. Techniques include affinity chromatography, electrophoresis, gas chromatography, UV-visible spectrometry and polarimetry. Studies include protein-ligand binding and the kinetics of enzyme catalyzed reactions. Three laboratory hours. Prerequisite: CHM 323, 324. Co-requisite: BIO 425.

452. GENERAL ECOLOGY

4 s.h.

A study of the interrelationships of organisms with their biotic and abiotic environments. Ecological principles at the population, community and ecosystem levels

are discussed. Three lecture hours, one laboratory hour per week. Prerequisites: BIO 221, 222 and junior standing.

461. SEMINAR I

2 s.h.

Instruction and experience in extensive literature search and formal oral presentation of current information concerning a specific biological topic of interest.

Restricted to junior and senior biology majors or by permission of the instructor. Offered each spring.

462. SEMINAR II

1 s.h.

A capstone biology experience to be met by one of the following options: (1) a course in which students integrate experience with published research to lead a discussion of a biological topic. (2) A research project with a biology faculty member. (3) An internship or co-op experience. All options include a formal paper and presentation. Offered each fall.

481. INTERNSHIP IN BIOLOGY

1-3 s.h.

Business Administration

The Martha and Spencer Love School of Business

Dean of Love School of Business:
Associate Professor Guffey
Professor: Weavil
Associate Professors: Baxter,
McClellan, Behrman, Synn
Assistant Professors: O'Mara,
Peterson

To major in Business Administration a student must be admitted to the Love School of Business, generally after the sophomore year. Admission is required before most

300-400 level Business Administration courses or Economics 301 can be taken. To be admitted, a student must: (1) attain junior status and satisfy college standards for continued enrollment; (2) complete the following courses with an average of 2.0 within this group of courses: Mathematics 165 or 121; Economics 201, 246; Accounting 201 and either 202 or 212; Information Systems 116.

In addition to the requirements for admission to the Love School of Business, a major in Business Administration requires Business Administration 221, 302, 311, 323, 343, 360 and 465; Economics 301; completion of one of the following areas of concentration.

Finance

Business Administration 413, 421.

Marketing

Two courses from Business Administration 414, 415, 417.

Managment

Business Administration 425, 426.

International Management

ECO 412, BA 430, six hours of one foreign language; (students who choose to continue with a foreign language previously studied must complete the 211-212 sequence in that language. Students who choose a language not previously studied must complete the 111-112 sequence of that language.)

Management Information Systems

IS 216, 330, 340.

A minor in Business Administration requires Business Administration 311; 303 or 323; Accounting 201 and either 202 or 212; Economics 201.

The College offers a Master of Business Administration program which requires 36 semester hours of graduate work. Students are encouraged to apply regardless of undergraduate major. For requirements and policies please refer to page 71-76 of the *Graduate Catalog*.

221. BUSINESS LAW

2 s.h.

An introduction to the law as it applies to businesses. The law and the courts, administrative agencies, contracts, personal property, commercial paper, agency, employment, partnerships and corporations.

302. BUSINESS COMMUNICATIONS

4 s.h.

Study of the theory and principles of good oral and written communications. Provides instruction and practice in writing business reports, letters and memoranda.

303. INTRODUCTION TO MANAGING

3 s.h.

Examination of universal business processes applied by all organizations including not-for-profit and government. These include: goal setting, planning, decision making, motivation, human resource management, control. Primarily for non-majors. Credit will not be given for both BA 303, 323.

311. PRINCIPLES OF MARKETING

4 s.h.

The forces involved in the flow of goods from the point of production to the point of consumption and the channels of distribution.

The interest of the consumer; the marketing function; commodity, agricultural and industrial marketing; merchandising considerations; price policies and governmental regulation of competition. Prerequisite: ECO 201.

323. PRINCIPLES OF MANAGEMENT

4 s.h.

An introduction to the precepts expounded by the classical, the scientific and the behavioral management approaches, with particular emphasis on organization and qualitative decision theory. Credit will not be given for both BA 303, 323. Prerequisite: Admission to the Love School of Business.

343. MANAGERIAL FINANCE

4 s.h.

A study of corporate managerial functions from the finance perspective. The course surveys the principal elements of modern financial management. These include: Financial Analysis and Control, Working Capital Administration, Capital Budgeting, Valuation Theory, Capital Structure and Leverage and Debt and Equity Instruments. Prerequisite: Admission to the Love School of Business.

351. FUNDAMENTALS OF REAL ESTATE

4 s.h.

A survey of contemporary practices, issues and analyses from several disciplines—economics, finance, marketing and law—as they relate to the use of land and buildings. Prerequisites: ACC 201; ECO 201 or permission of the instructor.

360. PRINCIPLES OF DECISION SCIENCE

4 s.h.

The application of quantitative methods to business decision making, especially production and operations decisions. Prerequisite: Admission to the Love School of Business.

365. BUSINESS ADMINISTRATION APPLICATIONS

3 s.h.

Applications of business administration in various business functions. Topics will vary from year to year. Prerequisite: Permission of instructor. Offered during the day winter term only. Offered in the evenings in alternate years.

366. FIELD EXPERIENCE IN BUSINESS

3 s.h.

Travel course. Visits to diverse businesses, domestically or abroad. Analysis of the businesses visited. Prerequisite: Permission of instructor. Winter term only.

413. ADVANCED MANAGERIAL FINANCE

4 s.h.

An in-depth study of financial management from the perspective of valutive theory.

The topics of security evaluation and capital budgeting are discussed within the framework of the Capital Asset Pricing Model. Cost of capital, capital structure and leverage are related to valuation concepts; and long-term financing includes studies of leasing as well as warrants, convertibles and options. Valuation impacts of mergers and reorganizations are included. Prerequisite: BA 343. Spring semester only.

414. MARKETING RESEARCH

4 s.h.

An application of research methods to the marketing functions. Emphasis is placed upon gathering and analyzing market data and the relationship of findings to the decision-making process of the firm. Prerequisites: Admission to the Love School of Business and BA 311. Fall semester only.

415. ADVERTISING

4 s.h.

An examination of the creative process as an integral part of the marketing mix. Requirements include development of a total advertising and promotion program, from strategy to execution, including media plans.

draft executions of advertising and promotion materials, and methods of campaign evaluation.

416. FUNDAMENTALS OF INSURANCE

4 s.h.

The basic principles underlying insurance contracts and the scope of coverage under the several divisions of insurance including life, fire, casualty, marine, bond and automobile insurance.

417. MARKETING CHANNELS

4 s.h.

An in-depth analysis of the structures and functions of the middleman. Emphasizing channel management, performance and strategy, the course explores the relationships, problems and developing interfaces between manufacturers, wholesalers and retailers. Prerequisites: Admission to the Love School of Business and BA 311. Spring semester only.

418. COMMERCIAL LAW

4 s.h.

A technical study of the American legal system. Principal topics are the Uniform Commercial Code provisions governing contracts, sales and commercial paper, creditors' rights and the law of wills and trusts. Prerequisite: BA 221.

421. INVESTMENT PRINCIPLES

4 s.h.

Designed to enable investors to manage a fund according to a predetermined objective. Emphasis on the factors of safety, income and marketability, diversification and vigilance, and the bases of analysis of company management and industry trends to determine the present and prospective values of securities. Prerequisite: BA 343. Fall semester only.

422. BUSINESS AND SOCIETY

4 s.h.

Relationship of the organization to its social and legal environment; interaction of firms, customers and agencies of the federal, state and local governments; environmental effects on individuals and the general

economy; the firm as a citizen. Prerequisite: BA 303 or BA 323.

425. PERSONNEL ADMINISTRATION

4 s.h.

A study of the basic personnel practices, objectives, functions and organization of personnel programs. Topics include job evaluation, selection and placement; testing; promotion; compensation; training; safety and health and employee relationships. Prerequisite: BA 303 or 323.

426. PRODUCTION AND OPERATIONS MANAGEMENT

4 s.h.

Principles of management applied to production systems. Main emphasis is given to production capacity planning, job design, standards and work measurement, scheduling, quality control and inventory management. Prerequisite: BA 360.

430. INTERNATIONAL BUSINESS MANAGEMENT

4 s.h.

This course will address business management from the perspective of the global environment of the current business world. It will study the nature of international business including form, general role and reason for existence. The course surveys the foreign environment that international business faces and investigates the unique situations associated with doing business across international borders. Prerequisite: Admission to the Love School of Business.

445. SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT

4 s.h.

Application of analytical tools and techniques used in appraising the national economy as well as specific industries and companies. Emphasis is on securities markets as viewed by managers of institutional portfolios or individuals managing a personal portfolio. Prerequisite: BA 343.

465. BUSINESS POLICY

4 s.h.

A business capstone course intended to integrate the student's background, experiences and previous business core and major business curriculum through case studies and business decisions simulation exercises. Prerequisites: BA 311, 323, 343, 360 and senior status. Should be taken during final semester.

471. SEMINAR: SPECIAL TOPICS

4 s.h.

Advanced study consisting of readings and discussion of special topics. Participation by students, faculty and other resource persons.

481. INTERNSHIP IN BUSINESS ADMINISTRATION

1-3 s.h.

491. INDEPENDENT STUDY

1-4 s.h.

Chemistry

Chair, Department of Chemistry:

Associate Professor Gooch

Professors: Danieley, E. Grimley

Associate Professor: Agnew

Assistant Professors: Wright, J.

Grimley

A major in Chemistry resulting in the A.B. degree requires Chemistry 111, 112, 113, 114, 221, 222, 321, 322, 323, 324, 411, 421, 471 (one semester hour); Mathematics 121; Physics 111, 112, 115, 116 (or Physics 113, 114, 115, 116) and Computing Sciences 130.

A major in Chemistry resulting in the B.S. degree requires Chemistry 391 (five semester hours), 412 and 492 (one semester hour), in addition

to the requirements for the A.B. degree described in the preceding paragraph.

A minor in Chemistry requires a total of 20 hours from Chemistry 111, 112, 113, 114, 321, 322, 323, 324 and one course from 221, 222, 411; 425 and 426 or four hours of 391.

101. BASIC CONCEPTS IN CHEMISTRY

3 s.h.

A course designed to meet partially the general mathematics/science requirement of the college. Atomic structure, radio-chemistry, chemical changes, descriptive chemistry, chemistry of selected elements, introduction to organic chemistry, home and environmental chemistry. Three class hours. No credit given to students having prior credit for Chemistry 111. No credit toward the chemistry major or minor.

102. LAB FOR BASIC CONCEPTS IN CHEMISTRY

1 s.h.

This course provides the lab experience for and is to be taken concurrently with Chemistry 101. Two laboratory hours. No credit toward the chemistry major or minor.

110. INTRODUCTION TO CHEMISTRY

3 s.h.

Designed to provide the basic knowledge and skills which the student will need in Chemistry 111, 112. Recommended for students with little or no high school preparation in chemistry or meager background in mathematics. No credit given to students having prior credit for Chemistry 101 or 111. No credit toward chemistry major or minor.

111, 112. GENERAL CHEMISTRY I AND II

3 s.h. each semester

Fundamental principles of inorganic, physical, organic and experimental chemistry. Atomic structure as it is related to the classification of the elements and the nature

of their compounds. The more common elements and compounds are considered. Prerequisite: to higher level courses in chemistry.

113, 114. LABS FOR GENERAL CHEMISTRY I AND II

1 s.h. each semester

These courses provide the lab experiences for the respective lecture courses, Chemistry 111, 112. Three laboratory hours. To be taken concurrently with 111, 112.

221. QUANTITATIVE ANALYSIS

4 s.h.

Theory and techniques of volumetric and gravimetric procedures. Two class hours, six laboratory hours. Prerequisites: CHM 111, 112, 113, 114.

222. INORGANIC CHEMISTRY

4 s.h.

Further study of the concepts presented in CHM 111-112, plus advanced bonding in relation to molecular structure and chemical reactivity. Nuclear chemistry, descriptive chemistry of the main group and transition elements, thermodynamics and coordination chemistry. Three class hours and three laboratory hours. Prerequisite: CHM 111, 112, 113, 114.

301. CHEMISTRY AND SOCIETY

3 s.h.

Case studies from the physical sciences emphasizing a rational approach to the solution of societal problems using the experimental approach. No prerequisites.

321. ORGANIC CHEMISTRY I

3 s.h.

A detailed study of the chemistry of hydrocarbons. Topics include nomenclature, the relation of structure to physical/chemical properties, mechanism of chemical reactions, stereochemistry, conformational analysis, synthesis and characteristic reactions of several classes of compounds. Three class hours. Prerequisites: CHM 111-114; corequisite: CHM 323.

322. ORGANIC CHEMISTRY II

3 s.h.

A continuation of Chemistry 321, with emphasis on the chemistry of compounds containing oxygen or nitrogen and an introduction to the chemistry of lipids, carbohydrates and proteins. Three class hours. Prerequisite: Chemistry 321; corequisite: CHM 324.

323. ORGANIC CHEMISTRY LAB I

1 s.h.

Laboratory work to complement CHM 321. Methods include determination of physical properties, crystallization, distillation, chromatography, structure identification and synthesis of organic compounds. Three laboratory hours.

324. ORGANIC CHEMISTRY LAB II

1 s.h.

Laboratory work to complement Chemistry 322. Microscale synthetic methods, synthesis using air-sensitive compounds, qualitative organic analysis. Three laboratory hours. Prerequisite: CHM 323.

391. RESEARCH

1-3 s.h.

Experimental and/or theoretical research by individual students under the supervision of the department faculty. Maximum total credit eight semester hours. Prerequisite: Permission of the chemistry faculty.

411. PHYSICAL CHEMISTRY I

4 s.h.

Topics in thermodynamics, kinetics, colligative properties of solutions and colloids. Three class hours, three laboratory hours. Prerequisites: CHM 111-114, Physics Requirements, MTH 121.

412. PHYSICAL CHEMISTRY II

3 s.h.

An introduction to quantum mechanical concepts of group theory and symmetry of properties of molecules and an introduction to molecular spectroscopy. Three class hours. Prerequisite: CHM 411 or consent of instructor.

421. INSTRUMENTAL ANALYSIS

4 s.h.

Theory and practice of advanced analytical techniques with emphasis on instrumental methods of analysis. Three class hours, three laboratory hours. Prerequisite: CHM 111-114.

425. BIOCHEMISTRY

3 s.h.

A survey of biochemistry as it relates to the physiology of organisms. Topics include biochemical methodology, pH buffers and water, protein structure, function and synthesis, enzymes, bioenergetics, anabolism and catabolism of carbohydrates and lipids, metabolic-regulation. Prerequisites: BIO 221 or 222, CHM 321-324 or permission of instructor. (CHM 425 is the same as BIO 425.)

426. LAB FOR BIOCHEMISTRY

1 s.h.

Laboratory work to complement BIO/CHM 425. Experiments involve the isolation and analysis of proteins, lipids and carbohydrates. Techniques include affinity chromatography, electrophoresis, gas chromatography, UV-visible spectrometry and polarimetry. Studies include protein-ligand binding and the kinetics of enzyme catalyzed reactions. Three laboratory hours. Prerequisite: CHM 323, 324. Co-requisite: CHM 425.

461. SPECIAL TOPICS

1-3 s.h.

Advanced topics to meet the needs and interests of the students. Possible topics include Computers in Chemistry, Methods in Nuclear Chemistry and Magnetic Resonance and Analytical Separations. Prerequisite: Permission of the department.

471. SEMINAR

1 s.h.

Oral presentation and discussion of topics from the current literature of chemistry by students, staff and visiting scientists. Instruction and practice in writing and in the use of the literature of chemistry. One class hour. Prerequisite: CHM 111-114.

481. INTERNSHIP IN CHEMISTRY

1-3 s.h.

Work experience at an advanced level in chemical field. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: Permission of chemistry staff.

492. SENIOR THESIS

1 s.h.

This course is designed to focus on the formal writing process related to results of the experimental and/or theoretical research conducted in Chemistry 391. Emphasis will be placed on the style of scientific writing. Prerequisite: CHM 391 (three semester hours.)

Communications

Chair, Department of Journalism and Communications: Associate Professor Padgett

Assistant Professors: Gibson, R. Johnson, Fulkerson, Merron, Swanson, Grady

Instructors: Hamm, Senat

Programs are offered in Journalism and Communications. A student majoring in communications must choose Broadcast Communications or Corporate Communications as an area of emphasis.

Journalism

Students will study in the areas of print and broadcast news. Emphasis will be placed on researching, reporting, writing, editing and layout and audio/video production.

Broadcast Communications

Students will acquire an understanding of radio, television and cable television operations. The program will prepare students in the electronic media as producers, directors, performers, and production personnel.

Corporate Communications

Students will study the internal and external communication of businesses. These studies will be pertinent to the areas of public relations, advertising and corporate communications.

To major in Journalism and Communications a student must be admitted to the Journalism and Communications Department, generally during the sophomore year. Admission is required before many Journalism and Communications courses can be taken. To be admitted, a student must: (1) complete a minimum of 42 semester hours and (2) complete the following courses with a GPA of at least 2.2: English 111 and 112, Communications 215, 225 and either 240 or 325.

A major in Journalism requires Communications 215, 225; Art 237 or Communications 240; Communications 315, 325, 330, 365, 425, 465 and 495, plus nine semester hours of Journalism and Communications courses at the 300-400 level and six semester hours of 300-400 level courses in any one discipline offering a major or minor except Journalism or Communications.

A major in Communications with an emphasis in Broadcast Communi-

cations requires Communications 210 or 212; Communications 215, 225, 240 315, 335; 345 or 355; 360, 465 and 495, plus nine semester hours of Journalism and Communications courses at the 300-400 level and six semester hours of 300-400 level courses in any one discipline offering a major or minor except Journalism or Communications.

A major in Communications with emphasis in Corporate Communications requires Communications 210, 215, 225, 227, 233, 240, 315, 318, 325, 465 and 495. Additional requirements are Accounting 201, Business 303, and six semester hours of 300-400 level courses in Journalism and Communications and/or Business Administration.

A minor in Journalism and Communications requires Communications 210, 215 225, 240 or 325; plus six semester hours from the following courses: Communications 315, 337, 360, 361, 362, 365, 381, 382, 383, 460, 462, 463, or 465. Not more than three semester hours may be internship credit.

101. PARLIAMENTARY PROCEDURE

1 s.h.

A study of the rules which govern the proceedings of the deliberative assemblies, correlated with practice in the use of these rules. Emphasis on the practical application of parliamentary procedure in the conduct of meetings.

210. PUBLIC SPEAKING

3 s.h.

The fundamentals of public speaking: principles in oral and nonverbal communications, actual practice in delivery of ideas,

organization, supporting evidence, attention to diction and analysis of varied public presentations.

212. BROADCAST PERFORMANCE

3 s.h.

This course is designed to help students become more effective communicators and performers in electronic media. Emphasis will be given to the communication of ideas on radio and television. The course will stress vocal and visual presentation, voice and diction, pronunciation, appearance, gestures and movement. Prerequisite: Admission to the Journalism/Communications Department.

215. SURVEY OF COMMUNICATIONS

3 s.h.

This course is an introduction to the communication process and mass communications media. It will survey the history of newspapers, magazines, books, films, radio, television and cable, as applicable in public and corporate communications. Special emphasis will be given to the function and operation of contemporary mass media. Prerequisites: ENG 111 or 112.

225. REPORTING AND NEWSWRITING

4 s.h.

A study of the basic types of news articles for the mass media, intended to enable students to gather information and report it in standard journalistic style. Special attention is given to writing leads, interviewing techniques and editing copy. Word processing ability necessary. Prerequisite: JC 215.

227. CORPORATE PUBLISHING

3 s.h.

An introduction to the basic design and layout of corporate and institutional newsletters, magazines, newspapers and other materials. The application of desktop publishing and presentational software will be discussed. There is a lab fee of \$30.

233. PRINCIPLES OF PUBLIC RELATIONS

3 s.h.

An introductory level course in public relations. It covers basic public relations objectives and problems. Emphasis is placed on use of effective tools plus the use of media to reach various publics. Prerequisite: Admission to Journalism/Communications Department.

240. AUDIO/VIDEO PRODUCTION

4 s.h.

An introduction to the basic principles, techniques and technologies of audio/video production. Students will learn to utilize the basic tools of audio/video through news and production assignments. Prerequisite: JC 215.

251. COMMUNICATIONS STUDIES ABROAD

3 s.h.

315. MEDIA AND SOCIETY

3 s.h.

A study of the role of mass communications media in society. The course will examine the structure, function and interaction of mass media. Consideration will be given to media constraints and effects on society.

318. ORGANIZATIONAL COMMUNICATIONS

3 s.h.

An introduction to process and patterns of communications within organizations. The course will cover techniques of information dissemination and the application of various media and methods. Prerequisite: Admission to Journalism/Communications Department.

325. NEWS EDITING AND LAYOUT

4 s.h.

Study and practice in design and makeup of the modern newspaper, including copy editing, headline writing, scaling and cropping of photographs, caption writing, page layout, and use of art and graphics. Prerequisite: JC 225.

326. FEATURE WRITING

3 s.h.

A study of basic types of feature articles for newspapers and magazines. Emphasis is on applying techniques of fiction (narrative, characterization, dialogue, scenes) to non-fiction writing. Prerequisite: Admissions to Journalism/Communications Department.

330. BROADCAST JOURNALISM

3 s.h.

A critical approach to the gathering, reporting and production of radio and television news. Students discuss and evaluate news, commentary and sports features. Each student creates and produces documentary and feature programs. Prerequisites: JC 240 and admission to Journalism/Communications Department.

335. WRITING FOR ELECTRONIC MEDIA

3 s.h.

A general course designed to acquaint students with the style, forms and content approaches used in writing for radio and television and other audio/visual presentations. Prerequisite: Admission to Journalism/Communications Department.

337. THE DOCUMENTARY

3 s.h.

A survey course that will trace the origins of the documentary, subsequent developments, and its current status.

345. ADVANCED AUDIO PRODUCTION

4 s.h.

An advanced study of audio production techniques, including editing, music and sound effects, signal processing and multi-channel production. Course work includes announcing, commercial, news and documentary production. Prerequisites: JC 240 and admission to Journalism/Communications Department.

352. CORPORATE VIDEO PRODUCTION

4 s.h.

This course is a study of how to research, write, rewrite and produce video productions for internal and external corporate presentations. Emphasis will be placed on achieving the goals of the organization through the video medium by informing, persuading and entertaining. Studio and remote production equipment will be used in the production of projects. Prerequisite: Admission to Journalism/Communications Department.

355. ADVANCED VIDEO PRODUCTION

4 s.h.

An advanced study of video production techniques for use in television broadcasting and other video media. The course will concentrate on electronic field production with emphasis on the aesthetics of teleproduction. Students will research, write and produce public service announcements, commercials and newscasts. Prerequisite: JC 240.

360. HISTORY OF BROADCASTING

3 s.h.

The purpose of this course is to help students develop an appreciation and understanding of the history of radio and television broadcasting in the United States. Students should acquire an awareness of the evolution of equipment, programming and government regulation of broadcasting. An emphasis will be placed on important personalities and their contributions.

361. DEVELOPMENT OF THE CINEMA

3 s.h.

This course is designed to give students an appreciation of the historical development of film as an art form. Students will view significant films and study the contributions of important directors.

362. A STUDY OF FILMS

3 s.h.

(Same course as ENG 362. See ENG 362 for description.)

365. HISTORY OF PRINT JOURNALISM

3 s.h.

This course will help students develop an appreciation and understanding of the history of print journalism in the United States. The course will focus on the development of newspapers and magazines in the United States, with an emphasis on the contributions of outstanding writers, editors and publishers.

371. SEMINAR: SPECIAL TOPICS

1-3 s.h.

Specialized topics or issues in Journalism and Mass Communication. Recent studies included Magazine Journalism, Propaganda and Mass Media, Rock Music and Mass Media.

380. MEDIA WORKSHOP

1 s.h.

An on-campus practicum in aspects of radio or television production or broadcasting, newspaper publishing or public relations. Students must arrange a learning contract with the instructor at the beginning of each term. Prerequisites: JC 325 or 240, as appropriate, junior or senior status, and permission of the instructor. Only three semester hours credit may be used toward the major.

381. JOURNALISM INTERNSHIP

3 s.h.

An off-campus work experience at an advanced level in some aspect of journalism. Offered on an individual basis when suitable opportunities can be arranged. Prerequisites: JC 225, 325, junior/senior status, and permission of the instructor.

382. BROADCAST COMMUNICATIONS INTERNSHIP

3 s.h.

An off-campus work experience at an advanced level in some aspect of broadcasting. Offered on an individual basis when suitable opportunities can be arranged. Prerequisites: JC 240, junior/senior status, and permission of the instructor.

383. CORPORATE COMMUNICATIONS INTERNSHIP

3 s.h.

An off-campus work experience at an advanced level in some aspect of corporate communications. Offered on an individual basis when suitable opportunities can be arranged. Prerequisites: JC 240 or 325, junior/senior status, and permission of the instructor.

425. ADVANCED REPORTING AND EDITING

3 s.h.

A study of sophisticated reporting techniques, including investigative reporting and the editor's role in covering the news of a community. The campus newspaper, *The Pendulum*, serves as a laboratory for this course. Prerequisites: JC 325, and admission to the Journalism/Communications Department.

430. TV NEWS REPORTING

4 s.h.

An advanced study of electronic news gathering. Students will analyze current examples of news and public affairs programming. Student will research, write, edit and produce television news packages that will be assembled into television newscasts. Prerequisites: JC 330 and admission to the Journalism/Communications Department.

460. INTERNATIONAL COMMUNICATIONS

3 s.h.

An examination of the media system of many countries, stressing the chief problem of communications across cultural, economic, sociological and political barriers.

462. POLITICS IN MASS MEDIA

3 s.h.

This course examines the effects of mass media on the American political system. The evolution of media impact will be traced from print journalism through radio and television.

463. THE AUTEUR DIRECTOR

3 s.h.

The auteur theory proposes that the greatest movies are dominated by the personal vision of one person, the director. This course will examine the career of a specific director with emphasis on his/her auteur characteristics. Students will view selected films from the director's filmography and prepare a paper on a particular auteur characteristic. Prerequisite: JC 361.

465. LAW AND ETHICS OF MASS COMMUNICATIONS

3 s.h.

Law and ethics of print journalism and broadcasting with particular emphasis on libel laws, invasion of privacy, free press, fair trial, obscenity and pornography, censorship and federal regulations of broadcasting content.

490. RESEARCH METHODS

3 s.h.

This course presents the theoretical and methodological knowledge necessary to conduct mass communication research, political polling, marketing research and the reporting of research will be considered. Prerequisite: Admission to Journalism/Communications Department.

491. INDEPENDENT STUDY

1-3 s.h.

495. JOURNALISM/COMMUNICATIONS SENIOR SEMINAR

3 s.h.

This is the capstone course for all majors in Journalism and Communications. The course will examine current issues and research in journalism, broadcast communications and corporate communications. Students will demonstrate competence in areas (such as communication theory, history and law) through projects and examinations. Prerequisite: Senior Journalism or Communications major. (Students entering school since 1991 must pass this course with a grade of "C-" or better.)

Computing Sciences _____

Chair, Department of Computing Sciences: Associate Professor Carpenter

Professor: W. Hightower

Assistant Professors: Plumblee, V. Hightower, Murphy

A major is offered in Computer Science. Minors are offered in Computer Science and in Computer Information Systems. A concentration area in Management Information Systems is also offered as part of the major in Business Administration (see the Business Administration requirements for more information).

A major in Computer Science requires Computer Science 130, 230, 326, 331, 341, 342, 351 and nine semester hours of 300-400 level Computer Science (CS) courses (other than Computer Science 361 and Computer Science 481), at least six of which must be at the 400 level. Additional courses required are Mathematics 111 (or competency), Mathematics 112 (or competency), Mathematics 121, 221, 241, 311 and a probability and/or statistics course.

A minor in Computer Science requires Computer Science 130, 230, one of the following three courses: CS 326, CS 331, or CS 342, and nine semester hours chosen from the following: IS 250, IS 454, IS 457 and 300-400 level Computer Science (CS) courses (other than Computer Science 361 and Computer Science 481).

A minor in Computer Information Systems requires Information Systems 116, Computer Science 130, Information Systems 216, six semester hours of 300-400 level Information Systems (IS) courses, and three hours of Computer Science or Information Systems at the 200-400 level (other than Computer Science 220 and Computer Science 361).

Computer Science (CS) Courses

130. COMPUTATIONAL PROGRAMMING

4 s.h.

An introduction to programming and problem solving. Emphasis on applications from disciplines which have a quantitative orientation. A weekly group lab experience will be incorporated into the course. Prerequisite: Mathematics 111 or its exemption.

171. SPECIAL TOPICS

1-3 s.h.

Study of microcomputers and specialized pieces of software. Software selection varies and is chosen from spreadsheets, database management and other introductory software packages. Prerequisite may be specified for certain software packages.

220. COMPUTERS AND TEACHING

3 s.h.

This course, designed for students planning careers in teaching, will explore current trends in the integration of computing and related technology into the elementary, middle grades and secondary curricula. Topics include an overview of micro-computer hardware and operational techniques as well as techniques for selecting, evaluating and implementing computer software for use in an educational setting. Through hands-on experience and

project work, students will be exposed to computer assisted instruction, computer managed instruction, application software and programming languages appropriate for their intended grade levels and subject areas. Prerequisite: EDU 211 or permission of instructor.

230. PROGRAMMING AND ALGORITHM DEVELOPMENT

3 s.h.

Algorithm development and analysis. Program correctness, recursion and elementary data structures. Emphasis on modularization and program structure using Pascal. Prerequisite: CS 130.

260. SPSS

2 s.h.

Designed to assist students in preparing and executing data analysis using The Statistical Package for the Social Sciences. Prerequisite: Three semester hours of statistics or permission of the instructor.

315. NUMERICAL ANALYSIS

3 s.h.

An introduction to numerical analysis. Floating point arithmetic, interpolation, approximation, numerical integration and differentiation, nonlinear equations and linear systems of equations. Prerequisites: CS 230, MTH 311 and MTH 321 or permission of the instructor. (CS 315 is the same as MTH 315.)

321. COMPUTER GRAPHICS

3 s.h.

Graphics hardware, packages and standards. Windows and clipping. Geometrical transformations. Removal of hidden edges and surfaces. Prerequisites: CS 230 and MTH 311.

326. FILE PROCESSING

3 s.h.

Concepts and techniques of structuring data on mass storage devices. Sort/merge/search algorithms for sequential and direct access files. Techniques for updating, deleting and inserting records. Prerequisite: CS 230.

331. DATA STRUCTURES

3 s.h.

Applications of and implementation of algorithms for common data structures. Efficient sort/merge/search algorithms. Dynamic storage allocation, garbage collection and companion. Prerequisite: CS 230 and MTH 241.

336. DESIGN OF DATA BASE MANAGEMENT SYSTEMS

3 s.h.

Introduction to data base concepts and design techniques. Network, relational and hierarchical data models. Normalized forms of data relations. Query facilities. Prerequisite: CS 326.

341. ASSEMBLY LANGUAGE PROGRAMMING

3 s.h.

Internal representation of data, Boolean algebra, computer arithmetic and addressing techniques. Machine language and assembly programming. Subroutines, macros and conditional assembly. Prerequisite: CS 230

342. COMPUTER ORGANIZATION

3 s.h.

Architectural levels. Systems organization. Digital logic. Microprogramming. Machine level and instruction formats. Assembly, linking and loading. Architectural alternatives. Prerequisites: CS 341 and MTH 241.

351. THEORY OF COMPUTATION

3 s.h.

An introduction to theoretical computer science and further study of discrete mathematical structures which find applications in computer science. A selection will be made from the following topics: Predicate calculus, groups, coding theory, graphs, trees, formal languages, grammars, finite state automata, Turing machines and complexity theory. Prerequisites: MTH 241, MTH 311, and CS 230. (CS 351 is the same as MTH 351.)

361. COMPUTERS AND SOCIETY

3 s.h.

History of computing and technology. Past, present and future impact of the computer on the individual and society. Legal and ethical issues confronting the computer user and the computer professional. Prerequisite: ENG 112 and three semester hours of Information Systems or Computer Science courses.

371. SPECIAL TOPICS

1-3 s.h.

Extensive study of specialized pieces of software. Selection varies and is chosen from available database, spreadsheet, accounting and payroll packages and other current software. Prerequisite: CS 230 or permission of instructor.

421. INTRODUCTION TO ARTIFICIAL INTELLIGENCE

3 s.h.

An introduction to basic concepts and techniques of artificial intelligence. Strategies for choosing representations, search strategies, communication and perception and applications. Prerequisites: MTH 241, and either CS 326 or CS 331.

435. ORGANIZATION OF PROGRAMMING LANGUAGES

3 s.h.

An introduction to language definition structure, data types and structures, control structures and data flow, run-time characteristics and lexical analysis and parsing. Programming assignments involve the use of several different languages. Prerequisite: CS 331.

441. INTRODUCTION TO OPERATING SYSTEMS AND COMPUTER ARCHITECTURE

3 s.h.

The fundamental concepts of operating systems and their relationship to computer architecture. Concurrent programming, interrupt processing, memory management and resource allocation. Prerequisite: CS 342.

451. COMPILER DESIGN AND IMPLEMENTATION

3 s.h.

An introduction to the basic techniques of compiler design and implementation. Specification of syntax and semantics, lexical analysis, parsing, semantic processing. Prerequisites: CS 351, CS 435.

471. SEMINAR: SPECIAL TOPICS

1-3 s.h.

Advanced study consisting of readings, reports, projects and discussions of contemporary problems and issues of computer science. Prerequisite: Permission of instructor.

481. INTERNSHIP IN COMPUTER SCIENCE

1-3 s.h.

Work experience at an advanced level in some aspect of computer science. Offered on an individual basis when suitable opportunities can be arranged. Prerequisites: CS 331 and permission of instructor.

491. INDEPENDENT STUDY

1-3 s.h.

Computer Information Systems (IS) Courses

116. MICROCOMPUTER APPLICATIONS

3 s.h.

Microcomputer hardware and software applications from the perspective of the individual user as well as consideration of their integration into the organization as a whole. Includes work with word processors, spreadsheets, database management systems, graphics and accounting packages.

171. SPECIAL TOPICS

1-3 s.h.

Study of microcomputers and specialized pieces of software. Software selection varies and is chosen from spreadsheets, database management and other introductory

software packages. Prerequisite may be specified for certain software packages.

216. ADVANCED MICROCOMPUTER APPLICATIONS

3 s.h.

This course will address advanced features of electronic spreadsheet and database management software. "Programming" within applications packages will be explored through the use of spreadsheet macros and database command files. Group and individual projects which incorporate these tools will be designed and presented. Prerequisite: IS 116 or permission of the instructor.

225. COBOL FROM AN ADVANCED PERSPECTIVE

3 s.h.

A thorough introduction to COBOL for programmers with a background in another higher level language. Prerequisite: CS 130.

250. SAS FOR PROGRAMMERS

3 s.h.

A laboratory course using the statistical package SAS on the VAX. The various procedures of SAS — data step, print, sort, freq, plot, means, chart, format — are covered as are programming techniques to restructure the data sets. File work — concepts such as input, output, use of cards, text files vs. SAS data sets — is included. Careful attention is given to the use of the SAS LOG and its use in debugging. The SAS Graphics package will also be explored in some detail. The SAS procedure SQL will be considered as time permits. Prerequisite: Experience with a Programming Language.

330. SYSTEMS ANALYSIS AND DESIGN

3 s.h.

An in-depth study of standard techniques used for the analysis and design of information systems. Emphasis will be placed on effective written and oral communication. A key feature of this course will be an analysis of a system in a local company. Students will take an active role in each phase of the design, including on-site visits. During the design phase, students will maintain contacts with

real users and develop a product for implementation. All projects will be developed using DBase IV (a continuation of the experiences from IS 216). Prerequisite: IS 216.

340. SYSTEMS IMPLEMENTATION

3 s.h.

Students in this course will continue with the real system design started in Information Systems 330. Using Decision Support Software Tools such as VP Expert, GURU, or Paradox, a front-end will be designed and the system will be placed on-line and simulations will be run to model the typical working environment. Students will then use an expert system shell to build an interface to the system before testing, implementation, and debugging. Final implementation will occur as the complete system is networked. An attempt will be made to present the finished system for a critique by an official of the company from which this model was made. Prerequisite: IS 330.

454. DECISION SUPPORT AND EXPERT SYSTEMS

3 s.h.

Utilization of high level software to support the decision-making process. Development of simulation models. Building, applying and modifying expert systems. Prerequisites: Familiarity with spreadsheets, MTH 241 (or permission of instructor) and either IS 225 or CS 230.

457. DATA COMMUNICATION AND NETWORKS

3 s.h.

Factors associated with the distribution of computer processing facilities. Functions and selection criteria for major components of data communications equipment. Prerequisite: IS 225 or CS 230.

481 INTERNSHIP IN INFORMATION SYSTEMS

1-3 s.h.

Work experience at an advanced level in some aspect of computer information

systems. Offered on an individual basis when suitable opportunities can be arranged. Prerequisites: IS 340 and permission of instructor.

***Cooperative Education* _____**

Director of Career Planning:

Assistant Professor R. Highsmith

Director of Experiential Educa-

tion: Assistant Professor P.

Brumbaugh

Director of Placement: Assistant

Professor K. Thompson

Career Services offers courses designed to acquaint Elon students with the career decision-making process, to assist them in career exploration, and to prepare them for the job search.

110. CHOOSING A CAREER/MAJOR

1 s.h.

Assists students in choosing a college major and exploring career options. Topics covered in these group career counseling sessions include: career decision-making skills, personal values and needs, interest and skill assessments, senior student panel discussions and workshadowing. Recommended for freshmen and sophomores.

310. SECURING A JOB

1 s.h.

Helps students prepare for internships, co-ops, summer jobs and permanent employment. Develop strategies for achieving career goals, investigate critical issues in the workplace, develop a resume, establish job contacts and learn how to interview effectively. Required of co-op students and recommended for sophomores, juniors and seniors.

The Cooperative Education Work Experience Program enables qualified students to combine classroom theory with professional work experience while completing their degrees. The student may work full-time or part-time with an employer selected and/or approved by the College. Credit hours are based on the number of hours worked during the term—a maximum of 15 semester hours of internship/Cooperative education credits may be applied to the 126 semester hours required for the A.B. and B.S. degrees. Evaluation is based on job performance and reflection on that performance through papers, journals, seminars, class presentations and readings. Contact the Director of Experiential Education for more information.

Eligibility Requirements

Junior or Senior standing, 2.0 minimum GPA, approval of Faculty/Experiential Education Director, COE 310 class required.

381-386. CO-OP WORK EXPERIENCE 1-15 s.h.

This series of courses provides careful monitoring of students in either a part- or full-time work experience. The students learn by applying classroom theory in a job related to the major/minor career objectives. Prerequisite: Full admission to the Co-op program.

Dance

Chair, Department of Fine Arts:
Professor Myers
Assistant Professor: Wellford
Part-time Instructor: Howard

A minor in Dance requires 18 semester hours distributed as follows: three courses from Dance 103, 104, 105, 112, 113, 114; two courses selected from Dance 201, 202, 203; two semesters of Dance 204; two courses selected from Dance 366, 367, or PE 365; plus three semester hours of additional dance courses at 200 level or above.

103. INTRODUCTION TO DANCE

3 s.h.

Study and participation in a wide variety of dance styles including folk, square, social, disco, aerobics, modern, ballet, tap, jazz and musical comedy.

104. MODERN DANCE I

1 s.h.

Study and participation in modern dance techniques and styles as well as a study of the history and choreography of modern dance personalities.

105. TAP I

1 s.h.

This course focuses upon the basic techniques of tap dancing. Students will be expected to achieve a predetermined level of competency in order to pass the course. This course is required of all Music Theatre majors.

112. BALLET I

1 s.h.

Study and participation in classical ballet techniques.

113. JAZZ DANCE I

1 s.h.

Exploration of the various jazz dance techniques.

114. DANCE IMPROVISATION

1 s.h.

The study of both spontaneous and learned movements, individual and group movement exercise include how poetry, the senses,

music, visual art and everyday gestures stimulate and influence dance.

201. MODERN DANCE II

1 s.h.

Participation and comparison of modern dance techniques on the intermediate level.

Prerequisite: DAN 104 or permission of instructor

202. BALLET II

1 s.h.

Participation in intermediate-level ballet exercises combinations and study. Pre-

requisite: DAN 112 or permission of instructor

203. JAZZ DANCE II

1 s.h.

Exploration of the various jazz techniques at the intermediate level, in-depth study of the choreographic process and study of persons and events which have shaped the history of jazz dance. Prerequisite: DAN 113 or

permission of instructor

204. DANCE ENSEMBLE

1 s.h.

A performing group available to members of the dance company and to students interested in any phase of dance production.

Membership in the company is open to all students by auditions which are held prior to each semester. Students must also be enrolled in a technique class at the 300 level. Prerequisite: Audition or permission of instructor.

205. TAP II

1 s.h.

A fast-paced class for students who have an understanding of basic tap vocabulary and rhythms. This class will increase the students' flexibility and strength, as well as enhance performance skills.

304. MODERN DANCE III

1 s.h.

A class for the student who is prepared to work at the advanced level in modern. This class will further develop the student technically and creatively while expanding his/her understanding of the modern idiom. There will be an emphasis on quality of movement and style. Permission of the instructor is required. This course may be repeated for credit to a limit of three semesters.

313. JAZZ DANCE III

1 s.h.

A challenging, fast-paced class for the experienced student designed to further develop and refine technique and expand the student's knowledge of the jazz idiom. The dancer should be prepared to work at the advanced level with particular attention given to quality of performance. Permission of the instructor is required. This course may be repeated for credit to a limit of three semesters.

366. CHOREOGRAPHY

3 s.h.

Introduces students to the art of composition of dance for solo and groups through utilization of craft, time, space, shape, dynamics and design. Prerequisites: DAN 201, 202, 203 or permission of instructor.

367. HISTORY OF DANCE

3 s.h.

A study of the history and philosophy of dance from its primitive beginnings up to the present with emphasis on the areas of ballet, modern, tap, jazz, musical, comedy, religious and social dance.

Drama

The Drama program is listed under Theatre.

Economics

The Martha and Spencer Love School of Business

Dean of Love School of Business:

Associate Professor Guffey

Chair, Department of Economics:

Associate Professor Barbour

Professor: Tiemann

Associate Professor: Baxter

Assistant Professors: Larson,

Hart, Flynn, Lilly, Holt

A major in Economics requires Economics 201, 246, 310, 311, 411, and 15 additional hours of Economics; Mathematics 165 or 121; Accounting 201; Information Systems 116 or 130.

A minor in Economics requires Economics 201, 301 or 311, 310, one additional Economics course, and a course in Statistics (Economics 246, Mathematics 265 or Social Science 285).

201. PRINCIPLES OF ECONOMICS

4 s.h.

The principles of macroeconomics and microeconomics. Supply and demand, macroeconomic equilibrium, unemployment and inflation, consumer theory, theory of the firm, general equilibrium and economic methodology. Prerequisite: MTH 111 or higher.

246. STATISTICS FOR ECONOMICS AND BUSINESS

4 s.h.

Collection, presentation, analysis and interpretation of statistical data. Descriptive tools for frequency distributions, central tendency and dispersion. Sampling theory and sampling distributions. Techniques for statistical inference include estimation and hypothesis testing for one and two samples,

quality control and linear regression, method of least squares. Prerequisite: MTH 165 or 121. (Credit will not be given for both MTH 265 and ECO 246.)

271. SEMINAR: ECONOMIC ISSUES

2-4 s.h.

301. BUSINESS ECONOMICS

4 s.h.

Application of economic theory and methodology to the problems facing a business. Input and output decisions; forecasting; cost analysis; pricing. Prerequisite: Admission to Love School of Business.

310. INTERMEDIATE MACROECONOMIC THEORY

4 s.h.

National income accounting, business cycles, economic growth, forecasting and economic stabilization. Prerequisites: ECO 201; MTH 121 or 165.

311. INTERMEDIATE MICROECONOMIC THEORY

4 s.h.

Intermediate price theory, market structure and distribution theory. Prerequisites: ECO 201; MTH 121 or 165.

312. COMPARATIVE ECONOMIC SYSTEMS

4 s.h.

Study of capitalism, Marxian theory and theoretical socialism. Prerequisite: ECO 201.

313. LABOR ECONOMICS

4 s.h.

Study of the historical development, structure, government and specific problems of the trade union movement. Emphasis is placed on collective bargaining, the economics of the labor market, minimum wages, maximum hours and governmental security programs and labor law. Prerequisite: ECO 201.

315. U.S ECONOMIC HISTORY

4 s.h.

Description and analysis of the growth and development of the U.S. economy and its institutions from Colonial times to the 20th century. Emphasis on the "new" economic history: explicit economic models and quantitative methods to analyze historical phenomena, including slavery and the South, the industrial economy and its labor force, the transportation revolutions and government's role in economic change. Prerequisite: ECO 201.

317. THE ECONOMICS OF WOMEN

4 s.h.

Topics covered include economic theories of discrimination; economic problems faced by women in such areas as earnings, occupations, unemployment and household production; the feminization of poverty; comparative analysis of women's economic status in developed and developing countries; past and future policy implications.

331. MONEY AND BANKING

4 s.h.

Study of history, structure, functions and operations of our commercial and central banking system. Emphasis is placed on monetary theory, monetary policy and the mechanism of international payments. Prerequisite: ECO 201.

332. PUBLIC FINANCE

4 s.h.

A positive and normative approach to the role of government in the economy. Public expenditures are discussed in light of pure theory, the theory of social choice, and practical application. Prerequisite: ECO 201.

341. ECONOMIC REGULATION

4 s.h.

Study of the economic regulation of American business. Both the economic rationale and the basic laws concerning antitrust regulation, public utility regulation, and social regulation of business will be discussed. Prerequisites: ECO 301 or 311.

347. STATISTICAL ANALYSIS

4 s.h.

Applications of statistical techniques of analysis of variance and covariance, chi-square, simple and multiple correlation and regression, interpretation of standard designs used in scientific research; Non-parametric tests; Time Series Analysis; Decision Theory. Prerequisite: ECO 246 or MTH 265.

365. ECONOMICS APPLICATIONS

3 s.h.

Applications of Economics to various business and public policy situations. Topics will vary from year to year. Prerequisites: ECO 301, ECO 310, or ECO 311. Winter term only.

366. FIELD ECONOMICS

3 s.h.

Travel course. Observation of economic policy making both domestically and abroad. Topics will vary from year to year. Prerequisites: ECO 301, 310, or 311. Winter term only.

372. INTERNATIONAL ECONOMIC DEVELOPMENT

4 s.h.

Study of the meaning, measurement and analysis of economic growth and development, with particular emphasis on the developing economies of Africa, Asia and Latin America. Topics include: trade, finance, industrialization, rural/urban migration, agricultural development, women's role in development, employment problems, population growth, education and poverty alleviation. Prerequisite: ECO 201.

411. DEVELOPMENT OF ECONOMIC THOUGHT

4 s.h.

Development of economic thought from antiquity to the present. Identification of various schools of economic thought and critical evaluation of content. Prerequisite: ECO 201. Spring semester only.

412. INTERNATIONAL TRADE AND FINANCE

4 s.h.

A study of fundamental principles of international economic relations. Subjects include the economic basis for international specialization and trade, economic gains from trade, balance of international payments, problems of international finance and international investments. Prerequisite: ECO 201.

471. SEMINAR: SPECIAL TOPICS

4 s.h.

481. INTERNSHIP IN ECONOMICS

1-3 s.h.

A maximum of three semester hours are applicable to a major or minor in Economics.

491. INDEPENDENT STUDY

1-4 s.h.

Education

Chair, Department of Education:
Professor Dillashaw

Professors: J. Williams, Simon,
Hooks

Associate Professors: Speas,
Wooten

Assistant Professors: Beamon,
Howard

Elon College offers programs at the undergraduate level leading to North Carolina Certification in Elementary Education, Middle Grades Education, special subjects area for grades K-12 and in seven areas at the secondary level. The goal of the undergraduate program in Education is to foster in the student:

- the knowledge of the purposes of education and the role of the school in our democratic society,
- the understanding of the role of the teacher as decision maker,
- the knowledge and skills required for developing competence in the various teacher roles as a decision maker,
- a belief in the dignity and worth of each individual,
- roles as a decision maker,
- the knowledge of the process of human growth and development,
- the knowledge of planning for instruction utilizing various teaching methodologies, materials and organizational patterns,
- knowledge of the subject matter in school curriculum,
- competence in evaluating student learning,
- the knowledge and skills necessary to maintain a classroom environment that facilitates learning,
- the knowledge and skills necessary to accommodate the learning needs of exceptional children and youth,

-
- the knowledge and skills necessary to work effectively with culturally diverse students and
 - a desire for professional affiliation, lifelong learning and continuing professional growth and development.

The student who successfully completes any of the teacher education programs at Elon College will be eligible for certification to teach in North Carolina. The state of North Carolina is party to the Interstate Certification Compact which qualifies Elon College graduates also to be certified in all states party to this Compact.

Currently there are 26 states who have entered into this reciprocity agreement. Any student planning to teach in a state not a part of the Interstate Certification Compact should obtain a copy of the certification requirements for a public school teacher from the State Superintendent of Education in the state in which the student plans to teach.

Before being admitted into the Teacher Education Program, the student must make application to the program, be recommended by the appropriate major department, be interviewed and approved by the Teacher Education Committee, meet the minimum score requirements on the tests of General Knowledge and Communication Skills of the National Teacher's Examination.* The State of North Carolina requires the following minimum scores: GK-645, CS-646, and a GPA of 2.5 for all

course work completed at the time of admission. After admission, failure to maintain a minimum GPA of 2.5 will result in dismissal from the program. In all cases, approval for admission to the program is subject to the discretion of the Teacher Education Committee which bases its decision upon the above factors and the following: satisfactory command of standard English usage (written and oral) and mental, physical, moral and emotional acceptability for teaching. The Teacher Education Committee may, at its discretion, dismiss a student from the Teacher Education Program.

Application forms for the Teacher Education Program are available in the office of the Department of Education and must be filed by September 15 or February 15 of the semester immediately prior to the beginning of the student's junior year. A student must be unconditionally admitted to the program before being permitted to take education courses beyond the 200 level.

To be recommended for teacher certification a student must meet all academic requirements and have a GPA minimum of 2.5. A student must also meet the minimum score on the test of Professional Knowledge (the State of North Carolina requires a minimum score of 646) and the Specialty Area test (minimum scores for this test vary with the content area) and have a recommendation from the school system in which student teaching was completed.

All students who are education majors or who already hold a

Bachelor's degree and are seeking certification only are subject to the decisions and regulations of the North Carolina State Board of Education. These decisions and regulations are binding on the student on the date and time specified by the State Board of Education.

*All students planning to teach in a state other than North Carolina must contact the appropriate state Department of Public Instruction and secure its standards for scores on the NTE.

Requirements for the Elementary Education Major (K-6)

A major in Elementary Education consists of courses necessary to meet requirements for certification in Elementary Education in the public schools of North Carolina.

A major in Elementary Education requires Art 368; Computer Science 220; Economics 201; Education 211, 281 (one semester hour), 321, 361, 363, 431, 465, 467, 474, 480, 481; select one of English 201, 202, 203, 204; English 215 or Communications 210; English 398; Fine Arts 211, 368; Geography 131; History 112, 211 or 212, 346; HE 362; Mathematics 261, 262; Music 368; Political Science 131; Psychology 233, 321; Sociology 111; select one of Chemistry 101, 111, Physics 101, 111; Physics 102 or 103; Biology 101 or 121. At least one of the sciences must have a lab.

Requirements for the Middle Grades Education Major

A major in Middle Grades Education consists of the courses neces-

sary to meet the requirements for Middle Grades (grades 6-9) certification in the public schools of North Carolina. Core Courses (required of all Middle Grades Education majors): Computer Science 220; Economics 201; Education 211, 281 (one semester hour), 322, 432, 441, 480, 481; Fine Arts 211; History 112, 211 or 212; HE 120; Psychology 233, 321 and Sociology 111.

In addition to the Core Courses, a student majoring in Middle Grades Education must select two subject area concentrations.

Concentrations in Communication Skills

Journalism/Communications 210; Education 362, 474; English 204, 215, 301; select two of the following: English 203, 281 321, 334, Theatre 101.

Concentration in Social Studies

Education 364; Geography 131; History 111, 112, 211, 212, 321, 346; three semester hours in non-western history or culture; Psychology 332; and Political Science 131.

Concentration in Mathematics

Education 466; Mathematics 112, 121, 221, 241, 262, 265; and Psychology 332.

Concentration in Physical Education

Education 423, HE 220; PE 211, 263, 310, 363, 365, 410; and Psychology 332.

Concentration in Science

Education 468; Psychology 332; Biology 111, 113, 121; Chemistry 101 and 102 or Chemistry 111 and 113; Physics 103 and 104; Physics 101 and 107 or Physics 111 and 115 and Physics 102 and 108.

Requirements for Secondary Education Certification

The student planning to teach at the high school level completes a major in a discipline and the necessary Education and Psychology courses for teacher certification at the secondary level (grades 9-12). The student must complete one of the following major areas: Biology, Chemistry, Comprehensive Science Certification, English, History, Mathematics or Social Sciences. Specific requirements for each major are listed with the appropriate department in this catalog. In addition, the following Professional Education courses must be completed satisfactorily: Education 211, 281, 322, 415, 432, the appropriate subject area methods and materials course (chosen from Education 421-427) 480, 481; Psychology 233, 321, 332 and Computer Science 220. (CS 220 not required for Mathematics majors.)

Requirements for Certification in Special Subject Areas (K-12)

Majors in Special Subject Areas (grades K-12) are Health Education, Music Education and Physical Education. Specific requirements for these majors are listed with the appropriate department in this

catalog. In addition, the following Professional Education courses must be completed satisfactorily: Education 211, 281, 322, 415, 432; the appropriate subject area methods and materials course (chosen from Education 423, 427, Music 461-462), Education 480, 481; Psychology 233, 321, 332; and Computer Science 220 (CS 220 and PSY 332 are not required for Physical Education majors).

Admission to the Teacher Education Program is a prerequisite for enrollment in all 300-400 level education courses.

211. INTRODUCTION TO EDUCATION *2 s.h.*

A study of the teaching profession: teacher certification procedures, the organization of schools, curriculum models, and current trends and issues.

281. INITIAL PRACTICUM FOR EDUCATION

1-3 s.h.

The major thrust of this experience is observation and assistance to the student as he/she moves toward the role of teacher. This ordinarily occurs during the student's sophomore year.

321. READING IN THE ELEMENTARY SCHOOL

3 s.h.

A study of the fundamental processes by which a child learns to read, with attention to readiness factors, vocabulary development, word attack and comprehension skills. Public school field experience required. Prerequisite: EDU 211.

322. READING IN THE CONTENT AREAS (Middle Grades and Secondary Grades)

2 s.h.

A study of the reading process and reading problems of students above the primary level. Study includes the reading process, diagnosis of reading difficulties, remedial techniques, standardized tests, vocabulary building. Public school field experience required. Prerequisite: EDU 211.

361. COMMUNICATION SKILLS METHODS AND MATERIALS FOR ELEMENTARY TEACHERS

4 s.h.

This course enables students to investigate, evaluate and select content, methods and materials used in the organization and teaching of communication skills in the elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281; PSY 233, 321.

362. COMMUNICATION SKILLS METHODS AND MATERIALS FOR MIDDLE GRADES TEACHERS

4 s.h.

This course enables students to investigate, evaluate and select content, methods and materials used in the organization and teaching of communication skills in the middle school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281; PSY 233, 321.

363. SOCIAL STUDIES METHODS AND MATERIALS FOR ELEMENTARY TEACHERS

4 s.h.

This course enables students to investigate, evaluate and select content, methods and materials used in the organization and teaching of social studies in the elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281; PSY 233, 321.

364. SOCIAL STUDIES METHODS AND MATERIALS FOR MIDDLE GRADES TEACHERS

4 s.h.

This course enables students to investigate, evaluate and select content, methods and materials used in the organization and teaching of social studies in the middle school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisite: EDU 211, 281; PSY 233, 321.

415. MATERIALS AND METHODS OF HIGH SCHOOL TEACHING

2 s.h.

Study of the general methods, techniques and practices applied in the secondary school. Open only to seniors. Taught in conjunction with Education 421-427; the courses in materials and methods of each subject-matter concentration listed below. Prerequisite: EDU 211. Fall semester only.

421. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL ENGLISH

3 s.h.

A study of the content and organization of the English curriculum with emphasis upon the methods and materials used in teaching reading, literature, grammar, oral and written expression. Public school classroom observation required. Prerequisite: EDU 211. Fall semester only.

422. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL MATHEMATICS

3 s.h.

A study of the objectives and content of the mathematics curriculum, and the materials, techniques, tests and methods of evaluation used in the teaching of mathematics. Public school classroom observation required. Prerequisite: EDU 211. Fall semester only.

423. MATERIALS AND METHODS OF TEACHING PHYSICAL EDUCATION

3 s.h.

Methods, materials and techniques of teaching skills in the school, physical

education curriculum, organization and planning of the total curriculum as well as daily programs, laboratory experiences in observing and conducting activity classes. Public school classroom observation required. Prerequisite: EDU 211. Fall semester only.

424. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SCIENCE

3 s.h.

The role of science in the secondary school curriculum. Current trends and methods used in teaching the Natural Sciences. Emphasis on Biology or Chemistry depending upon the prospective teacher's major discipline. Public school classroom observation required. Prerequisite: EDU 211. Fall semester only.

425. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SOCIAL STUDIES

3 s.h.

A study of the materials and methods of teaching social studies. Emphasis upon planning, organization, objectives and evaluation. Required classroom observation. Prerequisite: EDU 211. Fall semester only.

427. MATERIALS AND METHODS OF HEALTH AND SAFETY

3 s.h.

Designed to develop awareness of the program in all levels of school (K-12). Emphasis is on methods of curriculum planning, analyzing and developing content area unit plans and teaching approaches. Public school classroom observation required. Prerequisite: EDU 211. Fall semester only.

431. FOUNDATIONS OF EDUCATION FOR K-6

3 s.h.

The historical development and philosophical bases for public education in America; the elementary and intermediate schools' role and influence in society; the K-4 and 4-6 teachers' role as it has emerged from the philosophies, practices and policies of public education. Prerequisite: EDU 211.

432. FOUNDATIONS OF EDUCATION FOR 6-9, 9-12 AND SPECIAL SUBJECT AREAS

3 s.h.

The historical development and philosophical bases of public education in America; the middle and secondary schools' role and influence in society; the 6-9, 9-12 and special subject teacher's role as it has emerged from the philosophies, practices and policies of public education. Prerequisite: EDU 211.

441. CURRICULUM AND INSTRUCTION IN THE MIDDLE GRADES

3 s.h.

A study of historical and contemporary curricula and instruction in the middle and junior high schools. Emphasis is on the special curricular and instructional needs of the pre- and early adolescent. Various types of programs and instruction designed to teach the 11-14 year old academic and personal skills and concepts are explored. Offered in fall semester of even years only. Prerequisite: EDU 211.

461. SEMINAR IN CLASSROOM ENVIRONMENT

3 s.h.

A study of general methods, techniques and practices characteristic of positive approaches to classroom teaching. Attention is focused on various research in the areas of student motivation, student-teacher interaction, counseling, discipline and general classroom atmosphere. Prerequisite: EDU 211.

465. MATHEMATICS METHODS AND MATERIALS FOR ELEMENTARY TEACHERS

4 s.h.

This course enables students to investigate, evaluate and select content, methods and materials used in the organization and teaching of mathematics in the elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281, 361, 363, 381, 382; PSY 233, 321.

466. MATHEMATICS METHODS AND MATERIALS FOR MIDDLE GRADES TEACHERS

4 s.h.

This course enables students to investigate, evaluate and select content, method and materials used in the organization and teaching of mathematics in the middle school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281; PSY 233, 321.

467. SCIENCE METHODS AND MATERIALS FOR ELEMENTARY TEACHERS

4 s.h.

This course enables students to investigate, evaluate and select content, methods and materials used in the organization and teaching of science in the elementary school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281, 361, 363, 381, and 382; PSY 233, 321.

468. SCIENCE METHODS AND MATERIALS FOR MIDDLE GRADES TEACHERS

4 s.h.

This course enables students to investigate, evaluate and select content, methods and materials used in the organization and teaching of science in the middle school. A concurrent practicum offers opportunities to apply concepts and skills learned in this course. Prerequisites: EDU 211, 281; PSY 233, 321.

474. UNDERSTANDING THE LEARNING NEEDS OF EXCEPTIONAL STUDENTS IN THE REGULAR CLASSROOM

4 s.h.

This course is designed to help prepare elementary and middle grades majors for teaching children with diverse abilities and learning needs in the regular classroom. Emphasis on characteristics of exceptional students and methods for assessing and facilitating the learning of these students.

480. SEMINAR FOR STUDENT TEACHERS
2 s.h.

The scope of this seminar includes new information regarding the management of student behavior, school law, the teacher as decision maker, teacher evaluation and certification and the creation of professional development plans.

481. SUPERVISED OBSERVATION AND STUDENT TEACHING

10 s.h.

Provides the student with experience in the classroom on a full-time basis for a period of one semester, with periodic conferences with the college supervisor(s) and the classroom cooperating teacher(s). The student becomes acquainted with the duties and observes the methods and activities of an experienced teacher, with gradual induction into full-time teaching responsibilities. Included in this experience is the corequisite, EDU 480, seminar for student teachers. Prerequisites: EDU 211, 431 or 432 and appropriate methods course(s) with a grade of "C-" or better in the methods course(s).

491. INDEPENDENT STUDY

1-3 s.h.

English _____

Chair, Department of English:
Associate Professor Haskell

Professors: Blake, Bland, Gill,
Angyal, Smith

Associate Professors: J. Berry,
Lyday-Lee, Mackay

Assistant Professors: Butler,
Schwind, Herold, Cassebaum,
Gordon, Boyd, Braye, Warman,
Boyle, Chapman, R. House

A major in English requires 39 semester hours selected from the following groups of English courses:

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- I. *Language Study*
(300-309; 400-409)
three semester hours from this group OR three semester hours from Group II
 - II. *Advanced Writing*
(310-319; 410-419)
three semester hours from this group OR three semester hours from Group I
 - III. *Historical Studies*
(320-329; 420-429)
nine semester hours
 - IV. *Twentieth Century Studies*
(330-339; 430-439)
six semester hours
 - V. *Major Authors*
(340-349; 440-449)
three semester hours
 - VI. *Genres*
(350-359; 450-459)
three semester hours
 - VII. *Senior Seminar — English 495*
three semester hours
 - VIII. *English Electives*
12 semester hours
(200-level or above; at least two classes must be at the 300-400 level)

Note: One English course in addition to the Senior Seminar must be at the 400 level. This 400-level course may be taken in any of groups I-VI and VIII; it may function as a “group” requirement AND as a 400-level requirement.

A major in English for Teacher Certification requires English 200; three classes from 201, 202, 203, or 204; 215, 281, 302, 303, 321; one class from Twentieth Century Studies (Group IV); one class from Major Authors (Group V); one class from Genres (Group VI); six hours of additional English electives at the 300-400 level; Communications 210 and the required professional education courses. One English course must be at the 400 level. English 304 is strongly recommended.

A minor in English requires 18 semester hours of English courses beyond English 111, 112, at least nine semester hours of which must be 300-400 level courses.

The English Department is inclusive in its course offerings and content of courses in literature. Wherever appropriate, faculty members include works by and about women, minorities and ethnic groups.

100. BASIC WRITING SKILLS

3 s.h.

A writing course with lab designed to ensure the student's ability to develop and organize ideas and to write in a correct, readable style. Required of all first year and transfer students except those who can demonstrate writing competence. This course does not satisfy a general studies requirement or the requirement for the English major/minor. A minimum final grade of “C-” is the prerequisite for registration for English 111. Not open to students with prior credit for English 111 except with special permission.

106. ANALYTICAL READING

3 s.h.

A course designed to improve the student's ability to analyze, comprehend and retain college level reading material. This course

does not satisfy a general studies requirement or the requirements for the English major/minor.

111. FRESHMAN ENGLISH I

3 s.h.

Writing sequences with practical application of specific strategies for invention, drafting, frequent revision, peer review and editing. A final grade of "C-" is prerequisite for registration for English 112.

112. FRESHMAN ENGLISH II

3 s.h.

A study of argumentation, involving development of the ability to think and write critically as students research, analyze, write, and deliberate about issues significant to our civilization. A final grade of "C-" is required for graduation. Prerequisite: ENG 111.

170-179. SPECIAL TOPICS

3 s.h.

Studies of special topics or types of literature; open to students who have not completed English 112.

200. INTERPRETATIONS OF LITERATURE

3 s.h.

A course employing different critical approaches to interpret and evaluate poetry, drama and fiction from a variety of cultures. Prerequisites: ENG 111, 112.

201. BRITISH LITERATURE I

3 s.h.

A survey of British literature from Beowulf to the end of the 18th century in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

202. BRITISH LITERATURE II

3 s.h.

A survey of British literature from the beginning of the 19th century to the present in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

203. AMERICAN LITERATURE I

3 s.h.

A survey of American literature from the Colonial Period to 1860 in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

204. AMERICAN LITERATURE II

3 s.h.

A survey of American literature from 1860 to the present in the context of its literary, historical and cultural backgrounds. Prerequisites: ENG 111, 112.

213. INTRODUCTION TO CREATIVE WRITING

3 s.h.

Experience in writing poetry, fiction and drama. There may be texts assigned for discussion of techniques and/or form. Prerequisite: ENG 111.

215. FUNDAMENTALS OF GRAMMAR

3 s.h.

A study of the traditional description of the English language including terminology, parts of speech, grammatical structures and correct usage of the level of standard written English. Prerequisites: ENG 111, 112.

251. ENGLISH STUDIES IN BRITAIN

3 s.h.

A study-tour based in London with emphasis on the theater and places of literary and cultural importance. Excursions to such places as Stratford-upon-Avon, Stonehenge, and Canterbury. Winter term only. No credit on the English minor.

281. WRITING CENTER WORKSHOP

3 s.h.

This course enhances students' writing ability while they learn to tutor writing. It requires tutoring three hours each week in Elon's Writing Center. Strong writing abilities and interpersonal skills recommended. Prerequisites: ENG 111, 112.

282. PRACTICUM IN ENGLISH

1-3 s.h.

This course provides students the opportunity to observe and record the different types of writing produced in an office or business. Prerequisites: ENG 111, 112, permission of the instructor and advance arrangement. No credit toward General Studies requirements.

398. CHILDREN'S LITERATURE

3 s.h.

Children's literature as a basis for the selection and production of reading or story material for children in the elementary grades. Examination of the field of children's literature and folk literature to discover reading which satisfies modern education requirements. No credit toward the English major, Journalism or Communication major or English minor. Prerequisites: ENG 111, 112, EDU 211.

399. YOUNG ADULT LITERATURE

3 s.h.

A study of the different genres of contemporary literature written for the young adult reader. Students will read texts appropriate to the developmental stages of the adolescent, examine common themes and apply multiple critical approaches suitable for the middle grades and secondary classroom. Authors will include: Judy Blume, Robert Cormier, S.E. Hinton, Madeleine L'Engle, Gary Paulsen, Katherine Patterson, Cynthia Voigt. Credit allowed on the English Teacher Certification major, but not on the English major, Journalism or Communications major or English minor. Prerequisites: ENG 111, 112; EDU 211.

300-309, 400-409. Language Study (Group I)

Studies in the structure and historical development of the English language and in the theory of rhetoric and composition.

302. HISTORY OF THE ENGLISH LANGUAGE

3 s.h.

A study of the historical development of the English language from its Indo-European origins to the present. Prerequisites: ENG 111, 112.

303. INTRODUCTION TO LINGUISTICS

3 s.h.

A study of the systems of language, including the phonology, morphology and semantics of the English language. Prerequisites: ENG 111, 112.

304. RHETORICAL THEORY

3 s.h.

A study of the theories and philosophies underlying rhetoric and composition, ranging from classical rhetoric to contemporary composition theory. Students will become familiar with major rhetorical and composition theorists, theories and the impact of these theories on writing and thinking. Theorists may include Aristotle, Quintilian, Ramus, Burke, Bakhtin, Shaughnessy and Kristeva. Prerequisites: ENG 111, 112.

310-319, 410-419 Advanced Writing Group (II)

Courses offering practice in different kinds of writing beyond the introductory level.

313. WRITING FOR THE PROFESSIONS

3 s.h.

A study of professional writing through problem solving. Prerequisites: ENG 111, 112.

315. ADVANCED NONFICTION WRITING (Selected Focus)

3 s.h.

A writing workshop designed to develop a specific aspect of writing ability (e.g., voice, stylistics) or to practice a particular type of writing (e.g., essay, biography, travel writing). Check the current schedule for this semester's focus. Prerequisites: ENG 111, 112.

**316. ADVANCED CREATIVE WRITING:
POETRY**

3 s.h.

A course in poetry writing for the more experienced writer. Prerequisite: ENG 213 or permission of instructor.

**317. ADVANCED CREATIVE WRITING:
FICTION**

3 s.h.

A course in fiction writing for the more experienced writer. Prerequisite: ENG 213 or permission of instructor.

**320-329; 420-429. Historical
Studies (Group III)**

Studies of literature in historical, interdisciplinary, and cross-cultural contexts.

321. CLASSICAL LITERATURE

3 s.h.

A study of classical literature and culture, including Greek and Roman myth, drama, epic, lyrical poetry and philosophy. Readings include writers such as Homer, Plato, Sophocles, Ovid and Virgil. Prerequisites: ENG 111, 112.

322. MEDIEVAL LITERATURE

3 s.h.

A study of major works of British and Continental Medieval literature, exploring such matters as chivalry and romance, the church and the world. Prerequisites: ENG 111, 112.

323. RENAISSANCE LITERATURE

3 s.h.

A study of selected works of the British and Continental Renaissance, including such influences as the Reformation, scientific discovery and humanism. Prerequisites: ENG 111, 112.

324. THE ENLIGHTENMENT

3 s.h.

A study of the great works of British, Continental and American literature during an age of reason and sensibility marked by

industrial, scientific and political revolutions. Prerequisites: ENG 111, 112.

325. ROMANTICISM

3 s.h.

A study of great British, Continental and American Romantic literature, examining attitudes toward the self, nature and the supernatural. Prerequisites: ENG 111, 112.

**326. THE LATER NINETEENTH
CENTURY**

3 s.h.

A study of American, British, and Continental literature against the background of scientific and religious ferment, nationalism, aestheticism and naturalism. Prerequisites: ENG 111, 112.

**327. SEVENTEENTH CENTURY
LITERATURE**

3 s.h.

A study of "The Century of Genius," including works by British and Continental authors who ushered in the modern world. Prerequisites: ENG 111, 112.

**330-339; 430-439. Twentieth
Century Studies (Group IV)**

Studies in the literature of the 20th Century, organized to represent a historical period, a cultural heritage or a critical perspective.

**331. STUDIES IN MODERN
LITERATURE**

3 s.h.

A study of important literary works and movements of the first half of the 20th century, such as imagism, symbolic realism, psychological realism, experimental fiction, expressionism, the expatriates and the protest writers of the '30s. Prerequisites: ENG 111, 112.

332. LITERATURE OF THE SOUTH

3 s.h.

A study of Southern literature, its background and themes, with attention given to major 20th century writers. Prerequisites: ENG 111, 112.

**333. WOMEN IN LITERATURE:
FEMINIST APPROACHES**

3 s.h.

A study of modern and traditional works of literature interpreted or reinterpreted from the perspective of feminist literary theories. Prerequisites: ENG 111, 112.

**334. STUDIES IN THIRD WORLD AND
ETHNIC LITERATURE**

3 s.h.

A study of selected literature from ethnic cultures such as Chicano, Native American, Asian Indian, African, Caribbean and Central and South America. Prerequisites: ENG 111, 112.

**335. STUDIES IN CONTEMPORARY
LITERATURE**

3 s.h.

A study of contemporary literature such as the French anti-novel, absurdist drama, metafiction and "magic realism." Prerequisites: ENG 111, 112.

**336. HEMINGWAY AND THE
EXPATRIATES**

3 s.h.

A course on the life and work of expatriates in Paris immediately after World War I, with a particular emphasis on Ernest Hemingway. Prerequisites: ENG 111, 112.

337. ANGLO-IRISH LITERATURE

3 s.h.

A study of major Anglo-Irish writers and their affinities with Irish history, mythology, folklore and nationalism. Authors studied include: J.M. Synge, W.B. Yeats, Lady Gregory, James Joyce, Seamus Heaney and others. Prerequisites: ENG 111, 112.

**338. AFRICAN-AMERICAN
LITERATURE BEFORE WORLD WAR II**

3 s.h.

A course designed to trace the development of the themes of protest, accommodation and escapism as found in fiction, poetry and drama of African-American writers before World War II. Prerequisites: ENG 111, 112.

**339. CONTEMPORARY AFRICAN-
AMERICAN LITERATURE**

3 s.h.

A study of African-American literature from the beginning of World War II to the present in the context of its cultural, historical and social background. Prerequisites: ENG 111, 112.

**340-349; 440-449. Major
Authors (Group V)**

Studies in the works of individual authors who have captured and continue to hold the imaginations of readers. Hawthorne, Melville, Poe, Hardy, Dickinson, Cather and Faulkner are typical offerings, in addition to those listed below.

340. DANTE ALIGHIERI

3 s.h.

A close study of Dante's major works in the context of their historical, cultural, religious and intellectual background in the Middle Ages, including *Vita Nuova* and *The Divine Comedy*. Prerequisites: ENG 111, 112.

341. CHAUCER

3 s.h.

A study of Chaucer's major works in the context of their medieval intellectual background, including the greater portion of *The Canterbury Tales* and *Troilus and Criseyde*. Prerequisites: ENG 111, 112.

342. SHAKESPEARE: THE TRAGEDIES

3 s.h.

A study of representative tragedies within their intellectual, cultural and theatrical contexts. Prerequisites: ENG 111, 112.

343. SHAKESPEARE: THE COMEDIES

3 s.h.

A study of representative comedies within their intellectual, cultural and theatrical contexts. Prerequisites: ENG 111, 112.

344. ROBERT FROST

3 s.h.

A study of Frost's poetry, criticism and masques in the context of New England regionalism and the emergence of Modernism in American letters. Special attention will be paid to Frost's early development as a lyric poet. Prerequisites: ENG 111, 112.

345. JANE AUSTEN

3 s.h.

A study of the life and writings of Austen, with background study of the 18th-19th centuries and the development of the novel. Prerequisites: ENG 111, 112.

350-359; 450-459. Genres (Group VI)

Studies in specific types of literature. Examples are poetry, drama, the novel, the essay, the short story. Courses in genre include "kinds" of literature which cut across the more traditional genre labels.

351. THE NOVEL

3 s.h.

An examination of representative types of novels from different countries and ages. The focus and content of the course will vary. Typical approaches include the American novel, the British novel, the picaresque novel, the Bildungsroman, the political novel. Prerequisites: ENG 111, 112.

352. DRAMA

3 s.h.

An examination of representative plays from different countries and ages. The focus and content of the course will vary. Typical approaches include Classical drama, Realistic drama, Avant Garde drama, American drama and Expressionism. Prerequisites: ENG 111, 112.

353. POETRY

3 s.h.

A study of the major types of poetry. Prerequisites: ENG 111, 112.

354. THE SHORT STORY

3 s.h.

A study of the short story as a literary form, focusing on such topics as literary antecedents, 19th and 20th century exemplars, theory of the genre and the problem of film adaptation. Typically, five or six collections by writers from a variety of cultures will be read. Prerequisites: ENG 111, 112.

495. Senior Seminar (Group VII)

This course provides a synthesis of studies in the major with additional literary theory. Students participate in assessment of their major work, write an independent literary paper and conduct a class session on their chosen topic. Required of English majors (except Teacher Certification majors) in the spring semester of their senior year. Prerequisite: English major or permission of instructor.

360-389; 460-489. Special Topics

Studies of various topics, some of which fall outside the boundaries of traditional literary study. In addition to the courses listed below, examples are: Literature/Theatre in Britain; Literature of the Supernatural; Literature of Nonviolence; Alternate Languages and Literature and Culture: India, Africa, the West Indies.

362. A STUDY OF FILMS

3 s.h.

A survey of significant world cinema, using films that illustrate differences in national cultures, chief periods and types of film-making and the achievements in techniques and ideas of the greatest directors. Prerequisites: ENG 111, 112 (ENG 362 is the same as JC 362.)

365. LITERATURE AND THEOLOGY

3 s.h.

A study focusing on relationships between the literary and theological disciplines with special attention to literature illustrative of various approaches to religious questions. Prerequisites: ENG 111, 112 (ENG 365 is the same as REL 365.)

367. THE ARTHURIAN LEGEND

3 s.h.

Traces the growth of stories about King Arthur and the Round Table from their appearance in the early Middle Ages up to the present. Genres studied include chronicle, poetry, fiction and cinema. Prerequisites: ENG 111, 112.

381. ENGLISH INTERNSHIP

3 s.h.

This course provides students the opportunity to apply their writing skills in a business office. Pre/Corequisite: ENG 313. No credit toward General Studies requirements.

491. INDEPENDENT STUDY

1-3 s.h.

Fine Arts

Chair, Department of Fine Arts:
Professor Myers

Assistant Professors: Rubeck

Part-time Instructor: Hassell

211. INTRODUCTION TO FINE ARTS

3 s.h.

A comparative study of major artistic forms using representative examples of painting, sculpture, architecture, music, dance and drama to aid the student in discovering the world of art, its uses, purposes and aesthetic values.

251. FINE ARTS STUDIES IN ENGLAND

3 s.h.

A study-tour in London with emphasis on theatres, concerts and places of cultural importance. Winter term only.

368. DANCE AND THEATRE IN THE ELEMENTARY SCHOOL

2 s.h.

The purpose of this course is to provide the Elementary Education major with the basic skills in dance and creative dramatics and the methods of implementing these activities in the classroom. Prerequisite: Elementary Education majors who have successfully completed EDU 211, 281.

Foreign Languages

Chair, Department of Foreign Languages: Associate Professor Lunsford

Associate Professors: Rodriguez, Wilson, Romer

Assistant Professor: Cobos

Part-time Instructors: Wilkinson, Vitti

A major in French requires a total of 36 hours above the intermediate level: French 321, 322, 331, 332, 341, 342, 361, 362, 401, 432 and 371 and/or 471. One of the following must also be selected: (a) a semester abroad program at the junior level, (b) a summer abroad program or (c) two additional courses in French at the 300-400 level.

A minor in French requires 18 semester hours of French courses. At least six of the semester hours must be at the 300-400 level.

A major in Spanish requires a total of 36 hours above the intermediate level: Spanish 321, 322, 331, 332, 341, 342, 361, 362, 401, 432 and 371 and/or 471. One of the following must also be selected: (a) a semester abroad program at the junior level, (b) a summer abroad program,

or (c) two additional courses in Spanish at the 300-400 level.

A minor in Spanish requires 18 semester hours of Spanish courses. At least six of the semester hours must be at the 300-400 level.

CHINESE 111, 112. ELEMENTARY CHINESE

3 s.h. each semester

An introductory course which develops language skills by stressing cultural content, conversation and pronunciation while also giving a basis in Chinese grammar and characters.

FRENCH 111, 112. ELEMENTARY FRENCH

3 s.h. each semester

An introductory course which develops language skills by stressing cultural content, conversation, and pronunciation while also giving a basis in French grammar.

FRENCH 211, 212. INTERMEDIATE FRENCH

3 s.h. each semester

A systematic review of French grammar for students with a minimum of two years of high school French. It includes oral drill, writing and an emphasis on development of reading skills. Prerequisites: Two years of high school French or FR 111, 112 or equivalent.

FRENCH 321. FRENCH CONVERSATION

3 s.h.

Intense practice in oral communication in everyday situations. Emphasis on vocabulary building and speaking proficiency. Prerequisite: FR 212 or permission of the instructor.

FRENCH 322. ADVANCED CONVERSATION AND COMPOSITION

3 s.h.

Intensive practice in oral and written expression. Focus on refinements in

structure, conversation and writing for specific purposes. Prerequisite: FR 212 or permission of the instructor.

FRENCH 331. SURVEY OF FRENCH LITERATURE I

3 s.h.

A chronological study of French literature from its origins in the Middle Ages through the 18th century. Prerequisite: FR 212 or permission of instructor.

FRENCH 332. FRENCH LITERATURE II

3 s.h.

A chronological survey of the literature of France during the 19th and 20th centuries. Prerequisite: FR 212 or permission of instructor.

FRENCH 341. THE LITERATURE OF THE ENLIGHTENMENT

3 s.h.

An in-depth study of the major authors/philosophers of 18th century France. Prerequisite: FR 212 or permission of the instructor. FR 331 is recommended but not required.

FRENCH 342. NINETEENTH-CENTURY FRENCH LITERATURE

3 s.h.

An in-depth study of the major trends and authors of 19th century France in their social, historical and literary contexts. Prerequisite: FR 212 or permission of the instructor. FR 332 is recommended, but not required.

FRENCH 361. FRENCH CIVILIZATION

3 s.h.

A chronological study of the history, geography and people of France, from prehistoric times to the present. Emphasis on France's considerable contributions to Western civilization. Prerequisite: FR 212 or permission of the instructor.

**FRENCH 362. FRANCOPHONE
CULTURES OUTSIDE FRANCE**

3 s.h.

A study of cultures around the world influenced by France. Prerequisite: FR 212 or permission of instructor.

FRENCH 371. SPECIAL TOPICS

3 s.h.

FRENCH 401. FRENCH PHONETICS

3 s.h.

A systematic approach to French pronunciation through sound/spelling relationships, exercises in phonetic transcriptions and sound discrimination. Prerequisite: FR 212 or permission of instructor.

FRENCH 432. FRENCH CLASSICISM

3 s.h.

A study of the writers of the Classical age: Moliere, Racine, Corneille, la Fontaine, Madame de Lafayette, Descartes, Pascal. Prerequisite: FR 331 or permission of instructor.

FRENCH 471. SEMINAR: SPECIAL TOPICS

3 s.h.

FRENCH 481. INTERNSHIP IN FRENCH

(1-6 semester hours, applicable to major or minor)

Off-campus work experience at advanced level using French language skills. Student should present proposal to a full-time member of the Foreign Language Department who will submit it to the Internship Committee of the Foreign Language Department for approval. Majors and minors only.

FRENCH 491. INDEPENDENT STUDY

3 s.h.

GERMAN 111, 112. ELEMENTARY GERMAN

3 s.h. each semester

An introductory course for students who have taken at least two years of a foreign language in high school. It develops

language skills by stressing cultural content, conversation and pronunciation while giving a basis in German grammar.

GERMAN 211, 212. INTERMEDIATE GERMAN

3 s.h. each semester

A systematic review of German grammar for students with a minimum of two years of high school German. It includes oral drill, writing and an emphasis on development of reading skills. Prerequisites: Two years of high school German or GER 111, 112 or equivalent.

GREEK 111, 112. ELEMENTARY GREEK

3 s.h. each semester

Mastery of declensions and conjugations, synopsis of verbs, word analysis, derivation and composition. Offered alternate years.

GREEK 211, 212. INTERMEDIATE NEW TESTAMENT GREEK

3 s.h. each semester

Intermediate Greek grammar with emphasis on readings in the New Testament. Textual problems and methods of interpretation. Offered alternate years. Prerequisite: GRK 112.

ITALIAN 111, 112. ELEMENTARY ITALIAN

3 s.h. each semester

An introductory course which develops language skills by stressing cultural content, conversation and pronunciation while also giving a basis in Italian grammar.

JAPANESE 111, 112. ELEMENTARY JAPANESE

3 s.h. each semester

An introductory course which develops language skills by stressing cultural content, conversation and pronunciation while also giving a basis in Japanese grammar and characters.

SPANISH 101, 102. FOUNDATION SPANISH

3 s.h. each semester

An introductory course for students who have not completed two years of one foreign language in high school. This course focuses on the structure of the Spanish language and on practical conversation in a cultural setting. Courses do not satisfy General Studies requirements.

SPANISH 111, 112. ELEMENTARY SPANISH

3 s.h. each semester

An introductory course which develops language skills by stressing cultural content, conversation, and pronunciation while also giving a basis in Spanish grammar.

SPANISH 211, 212. INTERMEDIATE SPANISH

3 s.h.

A systematic review of Spanish grammar for students with a minimum of two years of high school Spanish. It includes oral drill, writing, and an emphasis on development of reading skills. Prerequisites: Two years of high school Spanish or SPN 111, 112 or equivalent.

SPANISH 321. SPANISH CONVERSATION

3 s.h.

Intense practice in oral communication in everyday situations. Emphasis on vocabulary building and speaking proficiency. Prerequisite: SPN 212 or permission of instructor.

SPANISH 322. ADVANCED CONVERSATION AND COMPOSITION

3 s.h.

Intensive practice in oral and written expression. Focus on refinements in structure, conversation and writing for specific purposes. Prerequisite: SPN 212 or permission of the instructor.

SPANISH 331. SPANISH LITERATURE I

3 s.h.

A chronological survey of the development of the literature of Spain, from its beginning in the Middle Ages through the Renaissance and the Golden Age. Prerequisite: SPN 212 or permission of instructor.

SPANISH 332. SPANISH LITERATURE II

3 s.h.

A chronological survey of the literature of Spain during the 18th-20th centuries. Prerequisite: SPN 212 or permission of instructor.

SPANISH 341. LATIN-AMERICAN LITERATURE I

3 s.h.

The development of Spanish-language literature in Latin America beginning with Spanish conquest of the New World and continuing through the realism and naturalism movements of the 19th century. Special attention is given to the gaucho literature of Argentina. Prerequisite: SPN 212 or permission of instructor.

SPANISH 342. LATIN-AMERICAN LITERATURE II

3 s.h.

A chronological survey of 20th century literature in Latin America, beginning with the turn-of-the-century Modernist movement. Prerequisite: SPN 212 or permission of instructor.

SPANISH 361. SPANISH CIVILIZATION

3 s.h.

A chronological study of the history, geography and people of Spain, from pre-historic times to the present. Emphasis on Spain's considerable contributions to Western civilization. Prerequisite: SPN 212 or permission of instructor.

SPANISH 362. LATIN AMERICAN CIVILIZATION

3 s.h.

This course will examine the Latin American continent from the aspects of geography, history, art and architecture, music, government, economy, ethnicity, languages and

culture. It will include a study of each individual country. Prerequisite: SPN 212 or permission of instructor.

SPANISH 371. SPECIAL TOPICS

3 s.h.

SPANISH 401. SPANISH PHONETICS

3 s.h.

A systematic approach to Spanish pronunciation through sound/spelling relationships, exercises in phonetic transcriptions and sound discrimination. Prerequisite: SPN 212 or permission of instructor.

SPANISH 432. GOLDEN AGE LITERATURE

3 s.h.

This course will be an in-depth study of Spain's "Golden Age," which spans the 16th and 17th centuries when Spain's literary and artistic achievements reached their greatest heights at a time when Spain was on the decline as a political and economic power. Prerequisite: SPN 331 or permission of the instructor.

SPANISH 471. SEMINAR: SPECIAL TOPICS

3 s.h.

SPANISH 481. INTERNSHIP IN SPANISH

(1-6 semester hours, applicable to major or minor)

Off-campus work experience at advanced level using Spanish language skills. Student should present proposal to a full-time member of the Foreign Language Department, who will submit it to the Internship Committee of the Foreign Language Department for approval. Majors and minors only.

SPANISH 491. INDEPENDENT STUDY

1-3 semester hours

Geography _____

Assistant Professor: Cates

A minor in Geography requires Geography 121, 131 and 12 additional hours chosen from Geography, Biology 301 and Physics 103.

121. PHYSICAL GEOGRAPHY

3 s.h.

A study of man's natural environment. Elements studied are weather and climate, water bodies, soils, natural vegetation, wildlife and landforms. Emphasis on interrelations among these environmental elements, their world-wide patterns, man's adaptations to them and impact on them.

131. WORLD REGIONAL GEOGRAPHY

3 s.h.

A study of the natural environment and human characteristics of the world's major regions. Emphasis on distinguishing characteristics and major problems of each region.

311. GEOGRAPHY OF THE UNITED STATES AND CANADA

3 s.h.

A study of Anglo-America's natural environment, population, and human activities. A description of continental patterns is followed by concentration on the subregions. Offered alternate years.

321. GEOGRAPHY OF EUROPE

3 s.h.

A study of the environmental and human characteristics of Europe. Continent-wide patterns are studied as well as the subregions and countries which make up Europe. Offered alternate years.

331. GEOGRAPHY OF NORTH CAROLINA

3 s.h.

North Carolina's natural environment, population, political organization, and economy. Statewide patterns and trends are used to define regions of the state.

491. INDEPENDENT STUDY

1-3 s.h.

Health, Physical Education and Leisure

The Department of Health, Physical Education and Leisure offers majors in Health Education, Leisure/Sport Management, Physical Education and Sports Medicine.

Chair, Department of Health, Physical Education and Leisure:
Professor Brown

Health Education

Professors: A. White, Brown, Beedle

Associate Professor: Calhoun

Assistant Professors: Baker, Leonard, Ross

Health Education Major

A major in Health Education requires PE 160; HE 120, 220, 322, 323, 412; PE 211, 410, 411; Biology 161, 162; Psychology 313, 332, 333 and Education 427. Students desiring teacher certification should also take the requirements listed under Education Requirements for Special Subjects areas.

Physical Education endorsement for the Health Education major requires Education 423 and 15 additional hours chosen from the required Physical Education certification courses.

120. CONTEMPORARY HEALTH

3 s.h.

A study of contemporary health problems and issues. Topics for discussion include mental health, drug abuse, human sexuality, physical fitness, nutrition and diseases.

220. FIRST AID

3 s.h.

Emphasis on preparing individuals to act

responsibly in emergency situations; includes requirements for standard first aid and community CPR.

322. HEALTH OF THE BODY SYSTEMS

3 s.h.

A study of the interdependency body systems and diseases and conditions that affect human health and well being. Topics of study include communicable and non-communicable diseases, immune system, dental health and sociocultural factors that influence health. Methods of health appraisal and screening will also be investigated. Prerequisite: BIO 161.

323. NUTRITION AND SUBSTANCE ABUSE

3 s.h.

A comprehensive study of nutrition including nutrient basics, digestion, metabolism, vitamins, minerals, supplements, nutritional deficiencies and imbalances. Tobacco, alcohol and drug abuse will also be studied with emphasis placed on psychosocial implications, prevention and rehabilitation.

362. HEALTHFUL LIVING IN THE ELEMENTARY SCHOOL

3 s.h.

Provides a study of health, safety and physical education needs of elementary children and their integration within the curriculum, includes the content and methodology.

412. CONSUMERISM AND COMMUNITY HEALTH

3 s.h.

An analysis of health products, services and factors that influence personal choice in the health marketplace. A panoramic view of American health systems by exploring problems, force, issues and trends that are changing the health system.

481. INTERNSHIP IN HEALTH

3 s.h.

491. INDEPENDENT STUDY

Leisure/Sport Management

Professors: A. White, Brown, Beedle

Associate Professor: Drummond

Assistant Professors: Baker, Ross

Leisure/Sport Management Major

A major in Leisure/Sport Management requires PE 160, 410, 411;

L/SM 212, 325, 326, 327, 425, 471, 481 (six semester hours); HE 220; SM 422; ACC 201; BA 302, 303 and 311.

A minor in Leisure/Sport Management requires L/SM 212, 325, 326, 327; PE 410, 411.

212. INTRODUCTION TO LEISURE/SPORT MANAGEMENT

3 s.h.

A fundamental introduction to leisure and sport management with emphasis on the role and relevance of each to society.

324. LEISURE AND AGING

3 s.h.

Examines the needs and characteristics of the older adult as related to leisure needs. Focus is on problems inherent in leisure service delivery systems for aging clientele. (L/SM 324 is the same as HUS 324.)

325. COMMERCIAL LEISURE/SPORT MANAGEMENT

3 s.h.

The study, development and current role of the commercial leisure industry (including commercial sports management). Emphasis will be placed upon the recreation as well as economic relevance in modern society.

326. LEISURE/SPORT FACILITIES PLANNING AND MAINTENANCE MANAGEMENT

3 s.h.

Designed to emphasize the necessity of proper planning and maintenance in the total leisure/sport management scheme; includes evaluation in planning, construction and operation of facilities.

327. LEISURE/SPORT LEADERSHIP AND PROGRAMMING

3 s.h.

The principles of leadership and/or group dynamics as they pertain to recreation, parks, commercial leisure and sports management. The component and application skills of leisure programming will be emphasized.

425. OUTDOOR RECREATION SERVICES

3 s.h.

A study of outdoor recreation policies, programs and activities. Contemporary issues and environmental quality are also emphasized.

471. SENIOR SEMINAR

2 s.h.

Provides an opportunity for students to review their major work education and to demonstrate the ability to analyze contemporary issues/problems in leisure and sport management.

481. INTERNSHIP IN LEISURE/SPORT MANAGEMENT

6 s.h.

491. INDEPENDENT STUDY

Physical Education

Professors: A White, Brown, Beedle

Associate Professors: Parham,

Calhoun, Drummond

Assistant Professors: Morningstar,

Baker, Myers, Brewer, Hart, Leonard, Wellford, Harden, Waters, Ross

Physical Education Major

A major in Physical Education requires PE 161, 162, 211, 263, 310; one course from PE 342, 343, 344, 345; PE 360, 363, 365, 410, 411, 423; HE 220 (students with minor in Athletic Training or Coaching may substitute SM 221); SM 422, BIO 161, 162. Students desiring teacher certifica-

tion should also take the requirements listed under Education Requirements for Special Subject areas. (PSY 332 and CS 220 are not required.)

Health Education endorsement for persons with Physical Education certification requires Education 427 and 15 additional hours chosen from the required Health Education courses.

A minor in Physical Education requires PE 162, 211, 263, 360 or 365, 410, 411; HE 220.

A minor in Physical Education with a coaching concentration requires PE 211, 310, 410; three courses from PE 342, 343, 344, 345.

100. TENNIS AND BADMINTON

1 s.h.

101. RACQUETBALL

1 s.h.

102. ELEMENTARY GYMNASTICS

1 s.h.

105. GOLF (Beginning and Intermediate)

1 s.h.

Special fee: \$25.

106. BEGINNING SWIMMING AND EMERGENCY WATER SAFETY

2 s.h.

An introduction to basic swimming techniques as well as general water safety instruction in order to create an awareness of causes and prevention of water accidents — includes how to respond effectively in a water emergency. (Beginning Swimming and Emergency Water Safety certificate given.)

107. INTERMEDIATE TO ADVANCED SWIMMING

1 s.h.

Review of basic strokes. Introduction of advanced strokes and elements of compet-

itive swimming. Emphasis is on skill and cardiovascular fitness. Recommended to persons who plan to obtain lifeguard training and/or water safety instructor's certification.

108. LIFEGUARD TRAINING

2 s.h.

Provides knowledge and skills development for aquatic safety and nonsurf lifeguarding. Persons completing this course will receive Red Cross certification. Prerequisites: Strong swimming skills, current Red Cross Standard First Aid.

109. OVERLOAD CONDITIONING

1 s.h.

Progressive development of physiological fitness designed to meet the needs of the individual student. Includes weight training and cardiorespiratory training.

110. SNOW SKIING/BEGINNER TO ADVANCED

1-3 s.h.

An introduction to snow skiing which permits the student to advance at his own rate. All work conducted at ski site. Offered during Christmas holidays, one hour credit, and winter term, three hours credit. Extra fees required. (For details, consult Physical Education Department staff.)

111. AEROBICS CONDITIONING

1 s.h.

Progressive development of physiological fitness through aerobics conditioning activities designed to meet the needs of the individual student. Includes cardiovascular, flexibility and strength development.

115. LIFEGUARD TRAINING INSTRUCTOR

1 s.h.

Methods and materials of teaching Red Cross aquatics safety courses from Basic Water Safety through Lifeguard Training. Prerequisite: Lifeguard Training certification.

116. OUTWARD BOUND EXPERIENCE

1-3 semester hours

Course in wilderness survival, including physical survival skills, fitness, cognitive and

emotional skills and study of the natural world. Offered as personnel is available.

117. EQUITATION I

1 s.h.

Basic horsemanship and riding skills—walk, trot, canter, first level dressage, introduction to jumping. Special fee: \$200.

118. EQUITATION II

1 s.h.

The development of riding skills on the flat; intermediate dressage; jumping skills with gymnastics and course work. Prerequisite: HPEL 117 or permission of instructor. Special fee: \$200.

119. EQUITATION III

1 s.h.

The development of the rider as a competitor in the show ring and jumping courses. Prerequisite: HPEL 118 or permission of the instructor. Special fee: \$200.

160. FOUNDATIONS OF HEALTH AND PHYSICAL ACTIVITY

2 s.h.

The study of the immediate and long-term effects of physical activity and the establishment of individualized programs for acquiring and maintaining physical fitness and wellness. Lecture and laboratory experiences. Special needs of students are considered.

161, 162. LIFETIME SPORTS SKILLS LABORATORY

2 s.h. each semester

Methods, materials, techniques and skills in teaching lifetime sports skills. Includes golf, archery, tennis, badminton, gymnastics, aquatics. Majors/minors only. Special fee: \$15.

208. WATER SAFETY INSTRUCTORS COURSE

3 s.h.

Detailed study of methods and materials used to teach Red Cross swimming and aquatics safety courses. Successful completion qualifies WSIs to teach Infant and Preschool aquatics, progressive swimming courses, basic water safety and emer-

gency water safety. Prerequisites: 17 years old, current certification for Emergency Water Safety or Lifeguard Training; CPR and First Aid recommended.

209. SKIN AND BASIC SCUBA DIVING

2 s.h.

Designed to teach students the art of skin and scuba diving, including the physics, physiology, mechanics and safe diving practices as well as marine life, environment, dive planning and various aspects of sport diving. Prerequisites: 15 years old, pass a swim test, medical exam and payment of special fees before scuba work begins. Special fee: \$175.

211. HISTORY AND PRINCIPLES OF HEALTH AND PHYSICAL EDUCATION

3 s.h.

An introductory study in the history of health education and physical education; philosophical, physiological, and sociological bases for activity.

263. SPORTS SKILLS LABORATORY

2 s.h.

Methods, materials, techniques and skills in teaching team sports. May include soccer, field hockey, volleyball, basketball and track and field. Majors and minors only.

265. OFFICIATING

2 s.h.

Designed to provide a thorough study of rules and mechanics of sport officiating. Practical experience in officiating may be provided in the area of the sports selected at the community and little leagues, middle school, and junior varsity levels.

310. MOTOR LEARNING THEORY FOR TEACHING AND COACHING

3 s.h.

Emphasis is placed upon qualities of persons, influencing and controlling behavior during motor activities, vital relationships within the school and community, organization, planning, and learning theories for motor skill development.

321. KINESIOLOGY

3 s.h.

The study of the musculo-skeletal system and biomechanics for physical fitness activities, exercise and sports injuries, and sports skills. Prerequisite: BIO 161.

342. METHODS OF COACHING FOOTBALL

2 s.h.

A study of appropriate terms, drills, methods and strategy for coaching football.

343. METHODS OF COACHING BASKETBALL

2 s.h.

A study of appropriate terms, drills, methods and strategy for coaching basketball.

344. METHODS OF COACHING TRACK AND FIELD AND BASEBALL

2 s.h.

A study of appropriate terms, drills, methods and strategy for coaching track and field and baseball.

345. METHODS OF COACHING SOCCER AND VOLLEYBALL

2 s.h.

A study of appropriate terms, drills, methods and strategy for coaching soccer and volleyball.

360. ELEMENTARY SCHOOL PHYSICAL EDUCATION (K-6)

3 s.h.

Emphasis placed on movement education and basic skills teaching with opportunity for laboratory experience.

361. MIDDLE SCHOOL PHYSICAL EDUCATION (6-9)

3 s.h.

Designed for middle school teachers of Physical Education. Various teaching methods, including a movement approach, for teaching basic skills and specific sports skills are explored. Opportunity is given for laboratory experience.

363. METHODS AND MATERIALS OF GYMNASTICS

2 s.h.

A study of gymnastics teaching methods for the secondary and elementary school levels. Skill development, teaching techniques and safety procedures are emphasized. Prerequisite: HPEL 162 or permission of instructor.

365. METHODS AND MATERIALS OF DANCE

3 s.h.

Fundamental movements, basic rhythmic techniques and basic dance steps. Includes folk, social, square and creative dance, with emphasis on teaching methodology at the elementary and secondary school levels.

410. ORGANIZATION AND ADMINISTRATION OF HEALTH, PHYSICAL EDUCATION AND LEISURE

3 s.h.

A study of appropriate organizational and administrative techniques needed to design and implement programs of physical education, health, intramurals, and athletics in schools, colleges and sport organizations.

411. MEASUREMENT AND EVALUATION IN HPEL

3 s.h.

Organization and interpretation of data from tests with and without the use of software packages, study and administration of youth and adult physical fitness tests, sports skill tests, and an overview of effective testing.

423. PHYSICAL EDUCATION FOR THE EXCEPTIONAL CHILD

3 s.h.

A presentation of the various types of handicapped conditions of children and young adults and the modes in which physical education can be adapted to meet the specific needs and interests of these groups. Spring semester only.

491. INDEPENDENT STUDY

Sports Medicine

Professors: Brown, Beedle

Associate Professors: Calhoun,
Drummond

Assistant Professors: Baker, Ross

Sports Medicine Major

A major in Sports Medicine requires the following core courses: Physical Education 160, 310, 321; Health Education 322, 323; Sports Medicine 221, 422; BIO 161, 162; and completion of one of the following tracks: the Exercise/Sports Science track requires Sports Medicine 281 (two hours); Physical Education 411; 481 (three to six hours), Chemistry 111 and 113; and Business Administration 303. The Athletic Training track requires Sports Medicine 312, 328, 329, 413, 414, 481 (two three-hour courses); Chemistry 101 and 102. A minor in Sports Medicine has two tracks, Athletic Training and Exercise/Sports Science. The Athletic Training track requires Biology 161, 162; Sports Medicine 221, 312, 422; Physical Education 321; Health Education 322. The Exercise/Sports Science track requires Biology 161, 162; Physical Education 321; Sports Medicine 422 and three hours selected from core.

221. ATHLETIC TRAINING I

3 s.h.

Emphasis is placed on the prevention and treatment of athletic injuries in various sports. Basic physiological and anatomical functions of the athlete are discussed.

Majors and minors only.

281. PRACTICUM IN SPORTS MEDICINE/EXERCISE/SPORTS SCIENCE

2 s.h.

312. ATHLETIC TRAINING II

3 s.h.

Advanced topics in Sports Medicine and Athletic Training including pain theory, theory and application of modalities of physical medicine, recognition, evaluation and treatment of athletic injuries and organization and administration of athletic training. Prerequisite: SM 221 or permission of instructor.

328. EMERGENCY SITUATIONS

2 s.h.

A practical course designed to instruct the student in how to handle life-threatening situations common to athletics. Standard Red Cross/First Aid and CPR certification are offered. Prerequisite: SM 221.

329. MODALITIES/THERAPEUTIC REHABILITATION

2 s.h.

A study in the theoretical principles and practical application techniques of modalities and therapeutic rehabilitation is offered. The courses mix classroom lecture and hands-on experience to facilitate the understanding of modalities and therapeutic rehabilitation. Prerequisite: SM 221.

413. ATHLETIC INJURY ASSESSMENT I

3 s.h.

Designed to allow students to gain practical, hands-on experience in the evaluation of athletic injuries common in fall sports. Students will have the opportunity in a small group setting to evaluate athletic injuries and discuss treatment options under the supervision of a certified athletic trainer and/or orthopedic physician. Prerequisite: SM 312.

414. ATHLETIC INJURY ASSESSMENT II
3 s.h.

Same as SM 413 except for injuries that are common in spring sports.

422. PHYSIOLOGY OF EXERCISE
4 s.h.

The study of the immediate and long-term effects of exercise on the body including the integration of the various bodily systems as a result of exercise; includes the role of nutrition and exercise in weight management. Laboratory activities include aerobic capacity testing, determination of body composition, and adult fitness testing. Prerequisite: BIO 162.

481. INTERNSHIP IN SPORTS MEDICINE (ATHLETIC TRAINING)
6 s.h.

Two three-hour courses.

482. INTERNSHIP IN SPORTS MEDICINE (EXERCISE/SPORTS SCIENCE)
3-6 s.h.

491. INDEPENDENT STUDY

History _____

Chair, Department of History:

Professor Crowe

Professors: G. Troxler, C. Troxler

Associate Professor: Midgett

Assistant Professors: Digre,

Bissett, Beall

Instructor: Hoffman

Part-time Assistant Professors: C.

Melton, Lansen, Delp

A major in History requires History 111, 112, 211, 212, one History seminar course, plus 24 semester hours of electives in History which must include 18

semester hours at the junior/senior level. A major in History also requires three semester hours from English 201, 202, 203 or 204 and three semester hours from Communications 210, Foreign Language (111 or above) or English 314.

History majors receiving teacher certification must have Geography 131 and Political Science 131 in addition to the required professional education courses. Of the 24 semester hours of electives listed above, majors receiving teacher certification must complete at least three semester hours from each of the following four areas: (1) United States, (2) European, (3) Developing World (Latin America, Africa, Asia, and Middle East) and (4) Minority History (Native Americans, African Americans, and Women).

A minor in History requires a minimum of 21 semester hours of History, which includes History 111, 112, 211, 212 and nine semester hours of History from the junior-senior level.

111, 112. HISTORY OF WESTERN CIVILIZATION

3 s.h. each semester

European history from the era of prehistory to the present. The cultural and social development of the various ancient and European cultures is given equal emphasis with the course of events in political and economic spheres. History 111 covers the period from prehistory to the year 1660; History 112, the years 1660 to the present.

211, 212. AMERICAN HISTORY

3 s.h. each semester

American history from the period of discovery and colonization to the present.

History 211 covers the period from discovery to 1864; History 212, the years from 1864 to the present.

251. HISTORY STUDIES ABROAD

3 s.h.

A specialized study for those participating in abroad programs. Opportunities include England, Russia, China and Eastern Europe.

311, 312. HISTORY OF ENGLAND

3 s.h. each semester

English history from the time of Britain's first contact with the Roman world to the present. History 311 is a survey of English history to 1603; History 312 covers the period from 1603 to the present. Prerequisites: HST 111, 112 or permission of instructor.

313. LATIN AMERICA: COLONIAL AND EARLY NATIONAL PERIODS

3 s.h.

The Americas south of the Rio Grande from the arrival of Europeans until most of the area established modern political patterns. Major topics include Spanish and Portuguese exploration and settlement, the interaction of Indian and Iberian cultures, the formation of colonial societies and independence movements. Prerequisite: HST 111 or 211 or permission of instructor.

314. LATIN AMERICA IN THE TWENTIETH CENTURY

3 s.h.

A regional framework is used to explore social, political, economic and cultural developments in the Americas south of the Rio Grande. Major focus is on the period since 1910 and the social and political tensions of individual nations today. Prerequisite: HST 112, 212 or permission of instructor.

315. THE HISTORY OF RUSSIA TO 1917: THE IMPERIAL PERIOD

3 s.h.

A survey of Russian history from the founding of the Russian state to the fall of

the Romanov dynasty in 1917. Prerequisite: HST 111 or 112 or permission of instructor.

316. THE HISTORY OF RUSSIA SINCE 1917: THE SOVIET PERIOD AND BEYOND

3 s.h.

A detailed study of the personalities and political movements that have been important in Russia since the Bolshevik Revolution of 1917 to the present. The course will strongly emphasize Soviet domestic policies and their impact upon that country and the world. Prerequisite: HST 112 or permission of instructor.

321. HISTORY OF MODERN CHINA

3 s.h.

A history of Chinese civilization from the beginning of the Manchu Dynasty in 1644 to the present day. The course examines the impact of China's ancient cultural and philosophical heritage on its modern history and explores the future of China in the modern world.

333. THE UNITED STATES FROM 1877 TO 1933

3 s.h.

A study of important events and developments in American history from the end of Reconstruction through the presidential election of 1932. Special emphasis is placed on the rise of industrial capitalism.

335. AMERICAN INDIAN HISTORY

3 s.h.

A survey of the relationship between Americans and the European powers who occupied and settled in the Western Hemisphere. The course focuses on the Native American experience in the U.S. in the 20th century.

336. EUROPE: 1914-1945

3 s.h.

An examination of European history in the first half of the 20th century. Focus is upon the two World Wars, the search for stability in the inter-war years and the rise of totalitarianism.

337. EUROPE: 1945 TO THE PRESENT
3 s.h.

A survey of Europe since the end of WWII. Topics include the Cold War, the end of colonial rule, the rise of the European community, social and intellectual trends and the collapse of communism.

340. SOCIAL MOVEMENTS IN POST-CIVIL WAR AMERICA
3 s.h.

An examination of organized efforts to change American society in the period since Reconstruction. The course begins with populism in the late 19th century and ends with the Civil Rights Movement of the 1960s.

341. UNITED STATES FOREIGN POLICY TO 1939
3 s.h.

Diplomatic history of the United States from the Revolution to the outbreak of WWII. Emphasis is on the political and constitutional influences on U.S. foreign relations and the evolution of major policies. Prerequisite: HST 211, 212 or permission of instructor. (HST 341 is the same as PS 341.)

342. UNITED STATES FOREIGN POLICY SINCE 1939
3 s.h.
(Same course as PS 342. See PS 342 for description.)

343. SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES
3 s.h.

A study of influential trends arising from the experience of the American people in developing a national character. Particular attention is devoted to an analysis of philosophical, economic, literary and educational evolution of the nation from the colonial to the modern period. Prerequisite: HST 211, 212 or permission of instructor.

344. THE SOUTH IN AMERICAN HISTORY
3 s.h.
Focus is on factors that produced southern distinctiveness and the implications of this

regional consciousness. Areas of emphasis include antebellum era, effects of Civil War and Reconstruction, subcultural persistence, Civil Rights Movement and emergence of the modern sunbelt. Prerequisite: HST 211 or 212 or permission of instructor.

345. AMERICAN MILITARY HISTORY
3 s.h.

A course in the military history of the U.S. from 1776 to the present designed to help the student understand the role the military has played in American society. The course includes the military as a social class and the study of military principles as well as campaigns and battles of major American wars. Prerequisites: HST 211, 212 or permission of instructor.

346. NORTH CAROLINA HISTORY
3 s.h.

The history of North Carolina from the first discoveries of the area to the present. Prerequisites: HST 211, 212.

347. HISTORY OF WOMEN IN THE UNITED STATES
3 s.h.

This course will focus on the roles and influences of women in the United States, primarily during the centuries since nationhood was established. Students will examine the political, social, familial and working patterns of women, within the context of American and Western history as a whole.

348. UNITED STATES SINCE 1933
3 s.h.

Recent American history with emphasis on the political, social and intellectual forces which shaped America since the Great Depression. Prerequisite: HST 212 or permission of instructor.

353. EUROPE IN TRANSFORMATION, 1100-1600
3 s.h.

A study of Europe in the Middle Ages and the Early Modern Period. It examines the development of medieval political, economic and social institutions and the role of the Catholic Church in European society and

also the development of the Renaissance and its impact on the Protestant and Catholic Reformations. Prerequisite: HST 111 or permission of instructor.

354. EUROPE 1600-1791

3 s.h.

A study of forces and movements converging in the American French and Industrial Revolution. Major topics include the birth of modern science; the religious, social and political conflicts of the 17th century; the divergent growth of absolutism and constitutionalism, colonial rivalries and the Enlightenment. Prerequisite: HST 112 or permission of instructor.

355. NINETEENTH CENTURY EUROPE 1791-1914

3 s.h.

Political, social, economic and cultural developments with particular attention to the national and international problems, especially development of the principles of nationalism, liberalism and imperialism. Prerequisite: HST 112 or permission of instructor.

358. CANADA: HISTORY AND CULTURES

3 s.h.

An introduction to the history of Canada and its contemporary cultural and political life.

359. EARLY NATIONAL PERIOD: FORCES THAT SHAPED THE UNITED STATES, 1787-1840

3 s.h.

A look at the major political, social and economic forces that shaped the history of the United States under its first seven presidents.

360. A HISTORY OF THE HOLOCAUST

3 s.h.

The purpose of this course is to look at the evolution of Adolph Hitler's antisemitic policies, culminating in the Final Solution which was designed to eliminate all Jews and other selected ethnic minorities under Nazi control.

361. MODERN JAPAN

3 s.h.

This course will explore the history of the Japanese nation and its people from the beginning of the Tokugawa Shogunate in the second half of the 17th century until today.

381. HISTORY OF MODERN AFRICA

3 s.h.

A survey of developments during the past century that have influenced contemporary Africa. The course will examine African responses to European imperialism and the problems faced by the new African states. Emphasis will be on regions south of the Sahara.

382. HISTORY OF SOUTHERN AFRICA

3 s.h.

An exploration of the forces that have shaped South Africa and its neighbors in the 19th and 20th centuries. A focus of the class will be the effects of Apartheid on modern South African society.

383. CONTEMPORARY MIDDLE EAST

3 s.h.

A historical perspective on current issues in the Middle East. Topics include Islam, the Ottoman Empire, Western imperialism, the development of nationalism and modern states, turmoil in the Persian Gulf and the Arab-Israeli conflict.

460-469. SEMINAR: SPECIAL TOPICS

3 s.h.

A capstone experience for majors. Each course is designed to offer the students the practical experience of researching, writing and presenting a major research paper. Courses have included American Civil War, England in the Age of Henry the Eighth, Russia, The Holocaust and Modern Africa. Prerequisites: Junior or senior history major or permission of instructor.

481. INTERNSHIP IN HISTORY

3 s.h.

An orientation program to familiarize students with careers in archives, records, historic sites and museum administration; archaeology, the preservation of historic properties and historical publications. Includes an orientation program and an internship of 10 hours per week for 10 weeks. Prerequisite: 18 semester hours of history. Offered spring semester.

491. INDEPENDENT STUDY

3 s.h.

Open to history majors and minors who have junior or senior standing or by permission of instructor.

Human Services

Chair, Department of Human

Services: Assistant Professor Kiser

Professor: Granowsky

Associate Professor: Higgs

A major in Human Services requires Human Services 211, 212, 381, 411, 412, 413, 471, 481; two additional three semester hour courses selected from Human Services offering (one of which may be Mathematics 265 or Social Sciences 285 or Economics 246); and 15 semester hours (at least nine at 300-400 level) selected from Psychology and/or Sociology.

A major in Human Services prepares the graduate to work in society's many social welfare subsystems—health, education, mental health, welfare, family services, corrections, child care, vocational rehabilitation, housing, community service and the law.

Prior to taking Human Services 381 students must be approved by the Human Services Screening Committee. Applications for the practicum are available in the office of the department chair and must be submitted no later than October 1. A minimum grade point average of 2.1 is required to be eligible for practicum.

Most other major requirements must be completed prior to taking Human Services 481. Students who enroll in Human Services 481 may not take any courses other than the prescribed block courses. Applications for taking the Internship must be submitted no later than March 1. A minimum grade point average of 2.2 is required to be eligible for internship.

A concentration in Social Work requires six hours selected from Human Services 231, 431 or 435; and Human Services 381 and 481. Human Services 381 and 481 must both be taken in a social work setting.

A concentration in Gerontology requires Human Services 211, 241, 324, 345 and 381. Human Services 381 must be taken in a facility or program for the elderly.

A minor in Human Services requires Human Services 211, 212, 381, Psychology 211 or Sociology 111; and two courses selected from Human Services 231, 431 and 435.

101. LEADERSHIP

2 s.h.

A study/practical experience course designed to increase knowledge and skills in leadership development. This course is appropriate for both emerging and established leaders.

102. PEER COUNSELING

2 s.h.

A study/practical experience course designed to develop competency in interpersonal relations, to present the residence hall as a community and to gain an understanding of personal and community problems. Open to all students and required of all Resident Assistants.

211. INTRODUCTION TO HUMAN SERVICES

3 s.h.

A study of the history and values of the human services profession, the worker-client relationship and the helping process. Special emphasis is given to the qualities, skills and roles of the human services worker. A minimum of 25 hours of field work in an approved human services setting is required.

212. METHODS IN HUMAN SERVICES

3 s.h.

This course focuses on various approaches to the helping process with emphasis on the development of skills in interviewing and counseling. A minimum of 30 hours of field work in an approved human services agency is required. Prerequisite or corequisite: HUS 211.

221. SPECIAL POPULATIONS IN HUMAN SERVICES

3 s.h.

This course explores the various populations of human service consumers and the programs and services available to these populations. Critical reflection upon the various issues, concerns and controversies related to specific service areas is emphasized.

231. SOCIAL GROUP WORK

3 s.h.

Designed to increase knowledge and skills in organizing, analyzing and working with human services groups. Special emphasis is given to group dynamics, group structure and the leadership role.

241. INTRODUCTION TO AGING

3 s.h.

An introduction to the field of gerontology. Emphasis is placed on the biological, sociological and psychological aspects of aging.

324. LEISURE AND AGING

3 s.h.

(Same course as HPEL 324. See HPEL 324 for description.)

345. ISSUES IN AGING

3 s.h.

Current issues in gerontology, including topics such as retirement, living environments, sexuality and finances.

381. PRACTICUM IN HUMAN SERVICES

3 s.h.

Preliminary field experience. Prerequisites: HUS 211, 212. Junior or senior status. Majors and minors only.

411. ADMINISTRATION, SUPERVISION AND FINANCE OF HUMAN SERVICES AGENCIES

3 s.h.

Principles and techniques in the administration of human services. Planning, staff selection, budgeting, financing, management, working with boards and volunteer groups. Prerequisites: HUS 211, 212. (Block course.)

412. PROFESSIONAL COMMUNICATION

3 s.h.

An in-depth study of interviewing and writing skills which are essential to the human services worker. Prerequisites: HUS 211, 212. (Block course.)

413. CURRENT ISSUES AND TRENDS IN HUMAN SERVICES

3 s.h.

Current issues and trends including gerontology, services to the terminally ill and their families, responding to the client with special needs in areas such as sexuality and

domestic violence, current legislation and professional burnout. Prerequisites: HUS 211, 212. (Block course.)

431. PRINCIPLES OF COUNSELING

3 s.h.

Counseling techniques for persons who will work in the helping professions. Includes development of communication skills as well as development of skills in applications of counseling theories.

435. FAMILY COUNSELING

3 s.h.

This course focuses on family assessment and intervention using family systems theory as the primary conceptual model. Emphasis is on skill development and the use of the family counseling concepts to understand family dynamics and relationships.

471. SEMINAR: SPECIAL TOPICS

3 s.h.

Students engage in extensive library research on individual topics and make formal presentations in class. Students also reflect on their personal and professional development and goals. Senior Human Services majors only.

481. INTERNSHIP IN HUMAN SERVICES

6 s.h.

This course provides the student with actual experience in a human service agency on a full-time basis for seven to eight weeks. Senior Human Services majors only.

International Studies

The International Studies program is listed under Political Science.

Journalism

The Journalism program is listed under Communications.

Leisure/Sport Management

The Leisure/Sport Management program is listed under the Health Physical Education and Leisure program.

Mathematics

Chair, Department of

Mathematics: Professor Reichard

Professors: Francis, W.

Hightower, R. Haworth

Associate Professors: Alexander, Barbee, Speas, Richardson

Assistant Professors: Gersdorff, Nawrocki, Clark, Johnson

Instructor: C. Holt

Part-time Instructors: Walton, Dyer

A Bachelor of Arts degree with a major in Mathematics requires Mathematics 121, 221, 241, 311, 312, 321, 425, 461; at least six semester hours chosen from Mathematics 315, 331, 341, 342, 351, 421; at least three additional semester hours of mathematics at the 300-400 level (excluding 481); Computer Science 130; Physics 113, 115.

A Bachelor of Science degree with a major in Mathematics requires Mathematics 121, 221, 241, 311, 312, 321, 425, 461; at least nine semester hours chosen from Mathematics 315, 331, 341, 342, 351, 421; Computer Science 130 and at least three semester hours of Computer Science numbered above 130 (excluding Computer Science 220, 361); Physics 113, 114, 115, 116.

Students planning to teach Mathematics at the secondary level must complete a Bachelor of Arts or Bachelor of Science degree in Mathematics and include Mathematics 331 and 341 among the Mathematics requirements, in addition to the required professional education courses.

A minor in Mathematics requires Mathematics 121, 221, 241, 311, and one additional three- or four-semester-hour course selected from Computer Science (excluding Computer Science 220, 361), Economics 246, or a Mathematics course numbered 200 or above (excluding 261, 262, 481).

A student may exempt Mathematics 111, 112 and/or 121 by demonstrating proficiency.

Once a student has received credit, including transfer credit for a course, credit may not be received for any course with material that is equivalent to it or is a prerequisite for it, without permission of the Mathematics Department.

100. INTERMEDIATE ALGEBRA

3 s.h.

A course designed to strengthen the fundamental algebraic concepts of exponents, factoring, equation and inequality solving, algebra fractions, radicals and applications. This course, or a demonstrated competence, is required of all students and is not applicable to the General Studies requirements. No credit is given to students having passed Mathematics 111 or a course for which Mathematics 111 is a prerequisite. A final grade of "C-" is a prerequisite for registration to any higher math course. (This class meets five days a week.)

110. THE NATURE OF MATHEMATICS

3 s.h.

A course designed to provide insight into the nature of mathematics, with emphasis given to reasoning, communicating mathematical ideas, applications and quantitative skills. Topics are selected from: mathematical reasoning, probability, counting techniques, statistics, financial management and systems of numeration. Prerequisite: MTH 100 or competency determined by mathematics placement process. No credit is given to students having prior credit for MTH 160 or 170 (previous catalog).

111. COLLEGE ALGEBRA

3 s.h.

Topics include sets, real numbers, equations, inequalities, exponents, polynomials, rational expressions, relations, functions and graphs.

112. TRIGONOMETRY AND ELEMENTARY FUNCTIONS

3 s.h.

A study of basic functions and their applications. Topics include trigonometric, circular, exponential, logarithmic and inverse functions, trigonometric identities. Prerequisite: MTH 111 or competency.

121. CALCULUS AND ANALYTIC GEOMETRY I

4 s.h.

Introduction to analytic geometry, functions, limits and continuity, differentiation of algebraic functions with applications, introduction to the definite integral the fundamental theorem of integral calculus. Prerequisite: MTH 111 or competency.

165. APPLIED MATHEMATICS WITH CALCULUS

3 s.h.

Topics include matrices, probability, functions, limits, derivatives and applications of derivatives. Credit will not be given to students who have passed or been exempted from Mathematics 121. Prerequisite: MTH 111 or competency.

221. CALCULUS AND ANALYTIC GEOMETRY II

4 s.h.

Applications of the definite integral, differentiation and integration of transcendental functions, techniques of integration, indeterminate forms, improper integrals, plane curves and polar coordinates. Prerequisites: MTH 112 and 121 or competency.

241. LOGIC AND DISCRETE MATHEMATICS

3 s.h.

An introduction to Discrete Structures including logic, sets, Boolean algebra, Combinatorics, mathematical induction, relations, functions, recursion and graphs. Prerequisite: MTH 121 or 165.

261. MATHEMATICS FOR ELEMENTARY AND MIDDLE GRADES TEACHERS

3 s.h.

A content course open only to students majoring in elementary or middle grades education. Topics include problem solving, numeration systems, set theory, whole numbers (concepts, operations, properties, and algorithms), estimation, selected topics in geometry, measurement and statistics.

262. MATHEMATICS FOR ELEMENTARY AND MIDDLE GRADES TEACHERS

3 s.h.

A content course open only to students majoring in elementary or middle grades education. Topics include problem solving, estimation, number theory, rational and irrational numbers (concepts, operations, properties and algorithms), percent, ratio and proportion, probability and selected topics in geometry and measurement. Prerequisite: MTH 261. For elementary education majors.

265. ELEMENTARY STATISTICS

3 s.h.

A course in elementary statistics for students needing a general overview of modern statistics. Topics include organization of data, probability,

measures of central tendency and variability, binomial and normal distributions, sampling, tests of hypothesis, estimation, correlation, regression and chi-square. Prerequisites: MTH 110 or higher. Credit will not be given for both MTH 265 and ECO 246.

311. LINEAR ALGEBRA

3 s.h.

An introductory course in linear algebra covering the following topics: vectors, vector spaces, matrices, determinants, systems of linear equations and linear transformations. Prerequisite: MTH 221, 241.

312. MODERN ALGEBRA

3 s.h.

An introductory course in abstract algebra covering major elementary aspects of the subject, properties of the integers, congruence, the real and complex number systems, integral domains, rings, fields, groups and polynomials. Prerequisites: MTH 241, 311.

315. NUMERICAL ANALYSIS

3 s.h.

(Same course as CS 315. See CS 315 for description.)

321. CALCULUS AND ANALYTIC GEOMETRY III

4 s.h.

Infinite sequences and series; three dimensional analytic geometry including vectors; differentiation and integration of multivariable functions; applications. Prerequisite: MTH 221.

331. MODERN GEOMETRY

3 s.h.

A rigorous treatment of the axiomatic foundations of Euclidean geometry through Hilbert's axioms; the role and independence of the parallel postulate, revealed through models and neutral geometry; historical and philosophical implications of the discovery of non-Euclidean geometry, with an introduction to both hyperbolic and elliptic geometry. Prerequisite: MTH 241.

341. PROBABILITY THEORY AND STATISTICS

3 s.h.

Axiomatic probability; counting principles, discrete and continuous random variables and their distributions; sampling distributions and the central limit theorem. Prerequisite: MTH 221.

342. APPLIED STATISTICAL MODELS

3 s.h.

An introduction to the study of statistical theory, inference and application of hypothesis testing about a variety of population parameters. Topics include analysis of variance, simple and multivariate linear regression and elementary nonparametric statistics. Applications will be drawn from the social sciences, economics, business, education, psychology, biological and physical sciences and other areas. Students will use statistical computer software selected from MINITAB, SAS and SPSS. Prerequisite: MTH 341.

351. THEORY OF COMPUTATION

3 s.h.

(Same course as CS 351. See CS 351 for description.)

421. DIFFERENTIAL EQUATIONS

3 s.h.

Methods of solving and applications of ordinary differential equations. Prerequisite: MTH 321.

425, 426. ANALYSIS

3 s.h. each semester

A rigorous study of the real numbers, sequences, series, limits, continuity, differentiation and integration. Prerequisites: MTH 312, 321.

461. SENIOR SEMINAR

3 s.h.

A capstone experience for mathematics majors during their senior year of college work. Students will participate in research and presentation experiences on topics selected by the instructor and students.

Emphasis will be placed on collection, organization, and presentation of advanced mathematical topics. Prerequisite: Senior standing or permission of the mathematics department.

471. SPECIAL TOPICS

3 s.h.

Topics selected to meet the needs and interests of the student. Open to senior mathematics majors and others by permission of the department.

481. INTERNSHIP IN MATHEMATICS

1-3 s.h.

Work experience at an advanced level in some aspect of the mathematical sciences. Offered on an individual basis when suitable opportunities can be arranged. Prerequisite: Permission of the mathematics department.

491. INDEPENDENT STUDY

1-3 s.h.

Prerequisite: Permission of the mathematics staff. May be repeated with different topics. Maximum total credit, eight semester hours.

Medical Technology _____

Chair, Department of Biology and Allied Health: Associate Professor Mason

Medical Director and Acting Program Director: Steuterman
College Program Director: Mason

The medical technologist is responsible for laboratory management as well as the analysis of various body fluids and other biological specimens. The results of these tests enable physicians to diagnose and treat their patients properly.

The medical technology curriculum involves undergraduate preparation at Elon College and completion of the clinical curriculum at

Moses H. Cone Memorial Hospital, where the affiliated hospital-based program is located.

Admission to the affiliated program is competitive, based on overall GPA, biology and chemistry GPA, evaluations by faculty and personal interview.

Upon successful completion of the hospital program, the student is awarded a Bachelor of Science degree in Medical Technology. Students who are not admitted into an MT program are able to complete a biology degree at Elon College and re-apply to one of the affiliated programs.

A Bachelor of Science degree with a major in Medical Technology requires: Biology 111, 113, 221, 312, 321, 341, 425; Chemistry 111, 112, 113, 114, 321, 322, 323, 324; Mathematics 265 or Information Systems 116; Physics 111, 112, 115, 116; a one-hour course in immunology and completion of the clinical curriculum at Moses H. Cone Memorial Hospital.

Military Science

Chair, Department of Military Science: Mittelstaedt

Instructor: Davis

Elon College, in cooperative agreement with North Carolina A&T State University, offers an Army Reserve Officers' Training Corps (ROTC) program.

The Army Reserve Officers' Training Corps program provides a viable elective program for both male and female students. The

program is divided into a basic course and an advanced course. These are normally completed during a four-year period. However, it is possible for veterans and other students who elect to undergo special training to complete the program in two years.

Programs of Instruction

Programs of instruction for the Army ROTC include a four-year program and a two-year program. The four-year program consists of a two-year basic course, a two-year advanced course and the advanced ROTC Summer Camp. The two-year program encompasses a basic ROTC Summer Camp, a two-year advanced course and the advanced ROTC Summer Camp.

Basic Course

The basic course is normally taken during the freshman and sophomore years. The purpose of this instruction is to introduce the student to basic military subjects: branches of the Army, familiarization with basic weapons, equipment and techniques, military organization and functions and the techniques of leadership and command. It is from the students who successfully complete this instruction that the best qualified are selected for the advanced course which leads to an officer's commission. Credit for the basic course can be obtained by successful completion of Military Science 111, 112, 141, 142, 211, 212, 241, and 242. Successful

completion of Military Science 251, or prior service in the Armed Forces, can be used to obtain appropriate credit for the basic course.

Advanced Course

Students who receive appropriate credit for the basic course and meet eligibility standards are admitted to the advanced course on a best-qualified basis. Successful completion of the advanced course qualifies the student for a commission as a Second Lieutenant in one of the branches of the United States Army, Army Reserves or Army National Guard. The following courses are required for completion of the advanced course: Military Science 311, 312, 341, 342, 351, 411, 412, 441, and 442.

Two-Year Program

This program is designed for junior college students or sophomores at four-year institutions who have not taken ROTC. A basic six-week summer training period after the sophomore year takes the place of the basic course required of students in the traditional four-year program. When a student with two years of college has successfully completed the basic summer training, he/she is eligible for the advanced ROTC course in his/her junior and senior years. The advanced course, which leads to an officer commission, is the same for students in either the two-year program or the four-year programs.

111. INTRODUCTION OF CITIZEN/ SOLDIER

1 s.h.

Designed to acquaint cadets with the Army and introduce fundamental individual skills. Provides a variety of subjects to stimulate cadet interest and commitment. The scope of training includes leadership, roles in the Army, Reserve and National Guard, written communications and general military subjects.

112. INTRODUCTION TO UNITED STATES MILITARY FORCES

1 s.h.

Provides an introduction and early development to leadership and soldier skills. The scope of training includes leadership, drill and ceremonies, first aid and general military subjects.

141, 142. LEADERSHIP LABORATORY

1 s.h. each semester

Encompasses hands-on, practical training in basic military skills, drill and ceremonies, first aid and conducting inspections; individual arms and marksmanship techniques are also covered.

211. DEVELOPMENT OF PROFESSIONAL MILITARY SKILLS I

1 s.h.

Continues development of cadet leadership and critical skills. Training is basic in scope and includes leadership, written and oral communications, physical fitness and general military subjects.

212. DEVELOPMENT OF PROFESSIONAL MILITARY SKILLS II

1 s.h.

Expands the frame of reference of students to include an understanding of roles and responsibilities. Instruction fosters internalization of the Professional Army Ethic. Training is basic in scope and includes written and oral communication, military skills, professional knowledge subjects and physical fitness.

241, 242. LEADERSHIP LABORATORY
1 s.h. each semester

Serves as a learning laboratory for hands-on practical experiences. Training includes instruction on operations, tactics, land navigation, first aid and general military subjects. Emphasizes the functions, duties and responsibilities of junior noncommissioned officers. Primary emphasis is continued development of leadership potential through practical experience. The APFT is given to assess the state of physical development.

251. ARMY ROTC BASIC CAMP
4 s.h.

Six weeks of training at Fort Knox, Ky. Training consists of Army history, role and mission, map reading/land navigation, rifle marksmanship, basic leadership techniques, physical training/marches, individual and unit tactics, communications. This course can be taken by rising juniors to substitute for Military Science 111, 112, 141, 142, 211, 212, 241 and 242. Prerequisite: Pass qualification tests.

311. LEADERSHIP TRAINING
2 s.h.

Refines the leader development process. Designed to prepare cadets for the full range of responsibilities associated with Advanced Camp. Training is supplementary in scope and includes leadership, written and oral communications, operations, tactics and general military subjects.

312. INTRODUCTION TO MILITARY TEAM THEORY
2 s.h.

Emphasis is placed on the development of intermediate level cadet leader skills in preparation for Advanced Camp. Training is supplementary in scope and includes leadership, written and oral communications, operations, tactics, land navigation, weapons and general military subjects.

341, 342. LEADERSHIP LABORATORY
1 s.h. each semester

Serves as a learning laboratory for hands-on practical experiences. Training is supplemen-

tary in scope and includes land navigation and weapons. The APFT is administered to assess the state of physical development. Emphasis is placed on the development of intermediate leader skills in a field environment. The focus is on soldier team development at squad/patrol level.

351. ARMY ROTC ADVANCED CAMP
4 s.h.

Normally taken the summer following the junior year. The training is conducted at designated United States Army installations. This internship is six weeks in duration. Prerequisite: MS 312.

411. SEMINARS IN LEADERSHIP AND PROFESSIONAL DEVELOPMENT
2 s.h.

Develops leadership and technical/tactical skills through performance as a trainer/supervisor. Training is supplementary and includes leadership, written and oral communications, operations and tactics, physical fitness, training management and general military subjects. The focus gradually shifts to orient the student on future assignments as an officer.

412. LEADERSHIP, LAW, AND ETHICS
2 s.h.

Continues development of leader critical skills. Training includes leadership, ethics, professionalism, law, written and oral communications, operations, tactics and general military subjects. The course culminates with instruction on transitioning to the Officer Corps.

441, 442. LEADERSHIP LABORATORY
1 s.h. each semester

Serves as a learning laboratory for hands-on practical experiences. Training is designed to solidify the commitment to officership, reinforce individual competencies and afford maximum practical officer leader experiences. Emphasizes the functions, duties and responsibilities of junior Army officers. Special attention is directed to developing advanced leadership skills through active

participation in planning and conducting military drills, ceremonies and field training.

451. AIRBORNE TRAINING

3 s.h.

Three weeks of intensive airborne training to include physical conditioning, landing techniques, parachute safety, simulated jumps, procedures in and around aircraft and five combat jumps from Air Force aircraft at 1,250 feet. Prerequisite: Selection for this training is highly competitive. Only a few cadets nationwide are accepted.

Music

Chair, Department of Music:

Professor Bragg

Assistant Professors: Fischer,

McNeela, Erdmann

Instructor: Green

Part-time Professors: Artley,

Payne

Part-time Instructors: King,

Sullivan, Dula, Johnson, Cykert,

Novine-Whitaker, Metzger, LaRocco,

Reed, Tektonidis, Beerman, Sudduth

Requirements for the Major in Music

The major in Music requires the following courses for a total of 37 to 41 hours: Music 111, 112, 211, 212, 154, 155, 315, 316, 495 and six total hours of electives at the 300-400 level, four semesters of applied music lessons (either one or two hours per semester) and four hours of ensembles. Students with this major may wish to combine it with an additional major or with selected minors.

Requirements for the Major in Music Education

Candidates for state certification

for teaching music in the public schools should enroll in the program leading to a Bachelor of Science in Music Education. This program requires Music 111, 112, 113, 114, 211, 212, 213, 214, 313, 315, 316, 361, 362, 363, 365, 366, 411, 413, 461, 481, eight semester hours of ensemble (Music 101, 102, 103, 105—see *Music Student Handbook* for required distribution of hours) and keyboard proficiency and concert attendance as outlined in the *Music Student Handbook*. The student must also complete the required professional education courses. Applied music requirements are met when the student has successfully completed at least one semester at the 300 level in his/her performance medium and has presented a half-recital which is accepted by the music faculty. Students must observe the requirements for the teacher education program as outlined under Education.

Candidates for state certification who also meet requirements for the Bachelor of Arts degree in Music will be awarded the Bachelor of Science degree in Music and Music Education.

Requirements for the Major in Music Performance

A major in Music Performance requires Music 111, 112, 113, 114, 211, 212, 213, 214, 313, 315, 316, 413, a choice of 411, 366 or 360; a minimum of eight semester hours of ensemble (Music 101, 102, 103, 105) and keyboard proficiency and concert attendance as outlined in the *Music Student Handbook*. Applied

music requirements are met when the student has completed at least one semester at the 400 level in his/her major performance medium and has presented a formal solo recital which is accepted by the music faculty.

Requirements for the Music Minor

A minor in Music requires Music 111, 112, 113, 114, 303, eight semester hours in one medium of applied music instruction, four semester hours in ensemble (any combination of Music 101, 102, 103, 105). Students lacking functional knowledge of keyboard must accumulate two semester hours in piano either prior to or simultaneously with, their enrollment in Music 111, 112, 113, 114.

General Regulations.

Department procedures, policies and additional requirements are outlined in the *Music Student Handbook* which can be obtained from the Chair of the Department of Music. Majors and minors should request a copy upon enrollment.

Applied Music—Individuals and Group Instruction

Music majors and minors register for the appropriate level and area of applied music study as determined by audition and consultation with their advisor or the Chair. With permission of the Chair of the Department of Music, the general college student may register for any course in applied music. One

semester hour credit may be earned for a 30-minute lesson per week. Two semester hours credit may be earned for a 60-minute lesson per week. Special fees applicable to applied music lessons are described on page 43.

Applied Music Levels

Piano: 120, 220, 320, 420
Tuba: 127, 227, 327, 427
Viola: 134, 234, 334, 434
Organ: 121, 221, 321, 421
Flute: 128, 228, 328, 428
Cello: 135, 235, 335, 435
Voice: 122, 222, 322, 422
Oboe: 129, 229, 329, 429
String Bass: 136, 236, 336, 436
Trumpet: 123, 223, 323, 423
Clarinet: 130, 230, 330, 430
Guitar: 137, 237, 337, 437
French Horn: 124, 224, 324, 424
Bassoon: 131, 231, 331, 431
Percussion: 138, 238, 338, 438
Trombone: 125, 225, 325, 425
Saxophone: 132, 232, 332, 432
Baritone (Euphonium): 126, 226, 326, 426
Violin: 133, 233, 333, 433
Electric Bass: 139, 239, 339, 439

Applied Music Classes—Group Instruction

152, 153. VOICE CLASS I & II

1 s.h. each semester

Group voice instruction (beginning and intermediate).

154-157. PIANO CLASS I-IV

1 s.h. each semester

Group piano instruction ranging from beginning to intermediate.

158. GUITAR CLASS

1 s.h.

This group course is for absolute beginners who want to develop musical skills with the guitar as an instrument. Using elements of classical guitar techniques as a foundation, the students will be able to play simple chords, melodies and songs.

258, 259. DICTION FOR SINGERS

1 s.h.

Required of voice majors.

Music Materials, Structures and Techniques

111, 112. THE MATERIALS OF MUSIC I & II

3 s.h. each semester

A study of the fundamentals of music, diatonic harmony and elementary voice-leading and part-writing, introduction to harmonic/melodic form, analysis and synthesis of harmonic practices through the dominant seventh and its inversions. MUS 111 prerequisite for MUS 112.

113, 114. MUSIC SKILLS LAB I & II

3 s.h. each semester

Melodic/harmonic/rhythmic dictation, sight singing and keyboard study. Designed to be taken in conjunction with Music 111, 112.

211, 212. THE MATERIALS OF MUSIC III & IV

3 s.h. each semester

A continuation of Music 111, 112 on a more advanced level including secondary seventh chords and chromatic harmony. Prerequisite: MUS 112.

213, 214. MUSIC SKILLS LAB III & IV

1 s.h. each semester

Designed to be taken in conjunction with Music 211, 212.

254. JAZZ IMPROVIZATION

1 s.h.

This course is for the instrumentalist who wants to develop skills in improvisational technique in jazz performance.

311. COUNTERPOINT I

2 s.h.

Renaissance counterpoint in two, three and four parts, with application to various types of vocal and instrumental writing. Analysis of polyphonic compositions. Prerequisite: MUS 212.

312. COUNTERPOINT II

2 s.h.

Baroque counterpoint in two, three and four parts, with application to various types of vocal and instrumental writing. Analysis of contrapuntal compositions. Prerequisite: MUS 311.

313. FORM AND ANALYSIS

2 s.h.

Acquaints the student with the standard forms of tonal music through the aural and visual study of micro and macro forms in scores of representative works. Prerequisite: MUS 212.

411. INSTRUMENTAL AND CHORAL ARRANGING

2 s.h.

Exploration of the technical possibilities and limitations of individual instruments and voices; arranging and transcribing for various groups and combinations of instruments and voices. Prerequisite: MUS 212.

412. COMPOSITION

2 s.h.

Designed to explore the various approaches in composition in the 20th century, tonal as well as atonal, through analysis and synthesis in writing exercises. Attention is given primarily to composition in the small forms with emphasis upon statement and development within these forms. Prerequisite: MUS 411.

413. TWENTIETH CENTURY TECHNIQUES

2 s.h.

A study of the changes which have taken place in music of this century. Techniques to be studied include atonality, polytonality, serialism, integral serialism, dodecaphony and electronic music.

Literature and History

216. THE RUDIMENTS OF MUSIC

3 s.h.

Students in this class will become familiar with the materials which form the basis of music. This will include the study of instruments, notation and terminology. Hands-on application will include the learning of elementary keyboard skills, basic performance on rhythm instruments, composing simple music compositions and conducting. This will be accomplished through a series of exercises, readings, outside class activities and class participation.

217. INTRODUCTION TO MUSIC

3 s.h.

Designed for non-majors, this course examines the manipulation of sound, silence and time to create "music." Attention is given to contemporary and classical forms and idioms.

303. MUSIC HISTORY FOR THE LIBERAL ARTS STUDENT

3 s.h.

The intention of this course is to provide non-music majors with improved listening skills in order to enhance musical enjoyment, to provide a basic knowledge of music styles and events, with the focus on placing this knowledge in the greater historical context of world events and trends. In this course the student will become familiar with selected personalities and works in the world of classical music.

315, 316. HISTORY OF MUSICAL STYLES AND STRUCTURES

3 s.h. each semester

A survey of the traditions, technical elements, composers and prime movers in the changing styles of western music from ancient Greece to the present. Prerequisite: MUS 212.

318. HISTORY OF JAZZ

3 s.h.

An overview of the art of jazz music from approximately 1700 to the present day.

Concepts to be covered include various jazz styles, individual musicians and development and progress of jazz through the 20th century.

Music Education

The following teaching courses are required of all music majors seeking certification for the teaching of music in the public schools.

361. PERCUSSION TECHNIQUES

1 s.h.

362. BRASS TECHNIQUES

1 s.h.

363. WOODWIND TECHNIQUES

1 s.h.

365. STRING TECHNIQUES

1 s.h.

366. CONDUCTING

2 s.h.

Development of skill in baton techniques, rehearsal techniques and interpretation in training and leading ensembles of instruments and voices.

368. MUSIC IN THE ELEMENTARY SCHOOL

2 s.h.

This course provides the elementary education major with the concepts of music and the methods for implementing musical activities in the classroom. Enrollment is limited to the elementary education majors with EDU 211, 281.

461. MUSIC EDUCATION IN THE PUBLIC SCHOOLS

3 s.h.

A study of methods and materials suitable for the elementary, middle and senior school levels.

481. INTERNSHIP IN MARCHING BAND

1 s.h.

Students in this class will become familiar with modern high school marching band drill and design. By working in conjunction with local high school band directors, students will learn and study all the various aspects integral to the organization and presentation of a half-time show for a high school football game. Topics will include drill design, uniform management, music selection, contest preparation, rehearsal technique, administrative duties, instrumental purchase and repair and how to deal with booster organizations.

Ensembles

101. WIND ENSEMBLE

1 s.h.

Open to all students.

102. CHOIR

1 s.h.

Open to all students.

103. ORCHESTRA

1 s.h.

By audition.

104. JAZZ ENSEMBLE

1 s.h.

By audition.

105. CHAMBER SINGERS

1 s.h.

By audition.

106. CHAMBER ENSEMBLE

1 s.h.

By audition.

107. ÉLAN

1 s.h.

By audition.

108. PERCUSSION ENSEMBLE

1 s.h.

By audition.

Other Offerings

251. MUSIC STUDIES IN ENGLAND

3 s.h.

A study/tour of England with emphasis on theatres, concerts and places of cultural importance. Winter term only.

360. METHODS AND MATERIALS OF PIANO PEDAGOGY

2 s.h.

Designed for students interested in teaching piano in a private studio. This course includes exploring class, group and individual instructional techniques for beginning and intermediate students, suitable repertoire, basic keyboard musicianship and pupil psychology.

471. SEMINAR: SPECIAL TOPICS

1-3 s.h.

Small group study under the guidance of a member of the staff.

491. INDEPENDENT STUDY

1-3 s.h.

495. SENIOR SEMINAR

3 s.h.

This course will provide a capstone experience for majors in Music, Music Theatre, and Theatre Arts. The course includes a comprehensive evaluation of the student's previous education within the major field, a major project to demonstrate proficiency in the student's major area of interest or emphasis, and preparation of materials necessary for enrollment in graduate school or the profession.

Music Theatre

Chair, Department of Fine Arts:
Professor Myers
Professor: Bragg
Assistant Professors: Rubeck,
McNeela, Drtina, Wellford

A major in Music Theatre requires Dance 104, 105, 112, 113, a choice of 201, 202, or 203 and 366; Music 111, 112, 113, 114, 154 and 155 or proficiency and six semester hours of private voice lessons along with Theatre 220, 320; Music Theatre 311, 312, 321 and 495 are required. Participation in a vocal or dance ensemble or theatre production each semester in residence is required.

311. HISTORY OF MUSIC THEATRE

3 s.h.

This course will explore the origins and development of music theatre, its theatrical conventions and major elements.

312. MUSIC THEATRE LITERATURE

3 s.h.

This course will expose the students to the "staples" of the music theatre literature. To develop a critical sensitivity to the medium and to be able to analyze music, plots, characters and situations in contemporary music theatre.

321. PERFORMANCE FOR MUSIC THEATRE

3 s.h.

This performance oriented course is designed to provide a step-by-step approach to achieving a high level of singing/acting skills.

495. SENIOR SEMINAR

3 s.h.

This course will provide a capstone experience for majors in Theatre Arts and Music Theatre. The course includes a comprehensive evaluation of the student's previous education within the major field, a major project to demonstrate practical proficiency in the student's major area of interest/emphasis, and preparation of materials necessary for enrollment in graduate school or the profession.

Philosophy

Chair, Department of Philosophy:

Professor Sullivan

Associate Professor: Weston

Assistant Professors: Batchelor,
Lubling

A major in Philosophy requires Philosophy 111, 113, 115; either Philosophy 331 or 332; either Philosophy 333 or 334; either Philosophy 431 or 433; the senior tutorial, Philosophy 461; 9 semester hours of any additional Philosophy courses; and six semester hours in one foreign language at the 111 level or above. The philosophy program is designed to allow and encourage a major to gain a career-related minor or even a double major.

111. INTRODUCTION TO PHILOSOPHY

3 s.h.

Introduces students to the philosophical approach to an understanding of their world and the basic human experience. Examines and formulates specific contemporary problems and analyzes them in terms of the concepts and approaches of major philosophers.

113. LOGIC

3 s.h.

A practical course in the art of thinking based upon an examination of the different types of reasoning and the requirements of logical consistency.

115. ETHICS

3 s.h.

A critical study of the principles of morality based upon the classical system of ethics. Application of these principles is made to specific situations in which moral choices are made by individuals and policy-making bodies.

331. ANCIENT PHILOSOPHY

3 s.h.

A study of the beginning of Western philosophy with concentration on the Golden Age of Greece. Focus is on Socrates, his predecessors, and his great successors, Plato and Aristotle.

332. MEDIEVAL PHILOSOPHY

3 s.h.

Designed to aid the student to enter into the world view of the period 400-1400 A.D. Includes an exploration of the medieval sense of hierarchy as evidenced in the doctrine of the Great Chain of Being. Special attention is given to such figures as Augustine in the early period, Bernard and Abelard in the 12th century and Bonaventure and Aquinas in the 13th century.

333. MODERN PHILOSOPHY

3 s.h.

Focus on crucial intellectual developments in the 17th and 18th centuries, during which time the modern Western world view arose. Specific attention given to far-reaching changes in philosophical methods, theory of knowledge and new senses of self and world. Major English and Continental thinkers such as Descartes, Hume and Kant are studied.

334. POLITICAL PHILOSOPHY

3 s.h.

A study of the roots of modern political thought, including such key 17th and 18th century developments as the case for sovereignty in the modern nation state, the rise of individual rights and the rationale for modern democracy. Major thinkers such as Hobbes, Locke and Rousseau will be studied against the background of their turbulent times.

341. PHILOSOPHY OF LAW

3 s.h.

A basic examination of the nature, function and limits of law. Attention is given to human rights and natural justice, law and morality, theories of punishment and questions of legal responsibility. The course is of particular interest to students of business and political science.

342. PHILOSOPHY AND SOCIETY

3 s.h.

A philosophical approach to the nature of society, looking toward the 21st century. Attention is given to the nature of the person, the relation of the person to social institutions, and the problems which arise in scientific methods when people are the object of investigation.

343. AGES AND STAGES OF LIFE

3 s.h.

A critical study of how fundamental life issues are understood and coped with at different points in a person's life history. The course utilizes theories from the Piagetian and psychoanalytic traditions, examines underlying notions of maturity, and seeks ways to integrate the intellectual, emotional, moral and spiritual dimensions of growth.

344. PHILOSOPHY OF SCIENCE

3 s.h.

The course is designed to promote the intelligent, critical assimilation of scientific information through development of a general framework for the analysis of scientific claims. The course will examine the differences between well-supported scientific results and pseudoscientific claims, and will devote particular attention to problems in theory testing and in ascertaining causal relations. Prerequisites: PHL 113 or permission of instructor.

345. PHILOSOPHICAL PERSPECTIVES IN FEMINISM

3 s.h.

Examination of various theories of feminism with special attention given to moral issues of justice and equal rights, sex and sex roles, abortion, equal opportunity, affirmative action, and other feminist issues.

352. EASTERN PHILOSOPHY

3 s.h.

Part I centers on ancient China and explores the I Ching as well as the thought of Lao Tzu and Confucius. Part II examines the insight of the Buddha and follows the Mahayana

strand of Buddhism as it enters China and becomes Zen. Part III examines the spirit of Zen and its influences on the arts and culture of Japan.

355. PHILOSOPHY OF RELIGION

3 s.h.

A discussion of the basic problems of thought which arise from confronting the beliefs and experiences of religious persons. What are the distinguishing characteristics of religion? Can religious feelings and insights be expressed in common language? By what criteria can conflicting religious beliefs be judged? (PHL 355 is the same as REL 355.)

431. CONTEMPORARY PHILOSOPHY

3 s.h.

Designed to acquaint students with currents of philosophical thought in the 20th century and to develop the skills of inquiry appropriate to these areas. Surveys the changing landscape of philosophy in this volatile century and introduces students to some of the key figures who have shaped that landscape.

432. AMERICAN PHILOSOPHY

3 s.h.

Focuses on the rich heritage of American philosophical thought from native American and colonial thinkers to the Golden Age of Harvard (James, Pierce, Royce) at the beginning of this century. No prerequisites, but some background in philosophy is strongly recommended.

433. MARX, DARWIN, FREUD

3 s.h.

A study of three makers of the modern mind—Marx, Darwin and Freud. These three revolutionary thinkers have had enduring influence on subsequent thought in such diverse fields as philosophy and politics, biology and religion, sociology and psychology. This course will examine their work in the light of more recent attempts to incorporate, reform and extend their insights.

461. SENIOR TUTORIAL

2 s.h.

The senior tutorial, conducted by a director of studies in collaboration with the full department, will provide for a systematic review of ethics, logic and the history of philosophy. Attention will be paid to content and skills. Graduating seniors will take this tutorial in the fall of their senior year. Philosophy majors only.

471. SEMINAR: SPECIAL TOPICS

3 s.h.

491. INDEPENDENT STUDY

1-3 s.h.

Physical Education _____

The Physical Education programs are listed under Health, Physical Education and Leisure.

Physics _____

Chair, Department of Physical Sciences: Professor F. Harris
Associate Professor: Agnew
Assistant Professors: Wright, Yasmin

A major in Physics requires Physics 113, 114, 115, 116, 213, 214, 215, 421, 422; 12 additional semester hours of Physics at the 300-400 level; Mathematics 121, 221, 321 and 421.

A minor in Physics requires Physics 113, 114, 115, 116, 213, 214, 215 and at least three semester hours at the 300-400 level.

101. BASIC CONCEPTS OF PHYSICS

3 s.h.

Designed to meet partially the general requirements of the College. Topics from mechanics, thermodynamics, electricity and magnetism, wave motion and atomic structure. No credit given to students having prior credit for Physics 111.

102. FUNDAMENTALS OF ASTRONOMY

3 s.h.

Designed to meet partially the general requirements of the College. Topics to include celestial motions, astronomical tools, the solar system, stars and stellar evolution, cosmological models.

103. BASIC CONCEPTS IN GEOLOGY

3 s.h.

A topics approach which includes the nature and origin of rocks and minerals, origins of mountains, soil development and evolution of the landscape. Three class hours.

104. LAB FOR BASIC CONCEPTS IN GEOLOGY

1 s.h.

This course provides the lab experience for and is to be taken concurrently with PHY 103. Two laboratory hours.

107. CONCEPTUAL PHYSICS LAB

1 s.h.

Laboratory experiences to complement Physics 101. Physics 101 and 107 are required to satisfy the general studies requirement in Analysis.

108. ASTRONOMY LAB

1 s.h.

Laboratory experiences to complement Physics 102. Physics 102 and 108 are required to satisfy the general studies requirement in Analysis.

111, 112. GENERAL PHYSICS I AND II

3 s.h. each semester

An introductory course including topics from mechanics, thermodynamics, electricity,

magnetism, optics, atomic and nuclear physics. Taken concurrently with PHY 115, 116.

113, 114, 213. GENERAL PHYSICS I, II AND III WITH CALCULUS

3 s.h. each semester

Survey courses of an introductory nature designed for physical science majors and pre-engineering students. Physics 113 includes topics in classical mechanics and thermodynamics; 114 includes topics from electricity, magnetism and optics; and 213 covers diffraction, relativity, quantum physics and nuclear physics. Corequisite: either MTH 121, 221 or permission of instructor.

115, 116, 215. GENERAL PHYSICS LABS I, II AND III

1 s.h. each semester

Laboratory experiences for Physics 111, 112 or 113, 114, 213.

214. MATHEMATICAL PHYSICS

3 s.h.

Designed for all physics majors, this course involves a study of several topics in applied mathematics. Topics include vector and tensor analysis, linear differential equations, matrix methods, numerical methods and complex variable theory. Prerequisites: PHY 113, 114, 213.

301, 302. MECHANICS AND HEAT

3 s.h. each semester

An introduction to classical mechanics and thermodynamics. Topics include kinematics, Newton's Laws of Motion, harmonic motion, central forces, rigid body motion and the First and Second Laws of Thermodynamics. Prerequisites: PHY 113, 114.

311, 312. ELECTROMAGNETISM AND OPTICS

3 s.h. each semester

Fundamental concepts of electromagnetism. Electric and magnetic fields, Maxwell's equations, electromagnetic radiation and geometrical and physical optics are topics to be included. Prerequisites: PHY 113, 114.

391. INDEPENDENT STUDY

1-2 s.h. each semester

Library and/or laboratory research by the individual student. Open to students at all levels. Prerequisite: Permission of physics staff. Maximum total credit, eight semester hours.

411, 412. MODERN PHYSICS

3 s.h. each semester

First semester to include early quantum theory and special relativity, statistical mechanics, atomic and nuclear physics. Second semester devoted to quantum mechanics and applications to atomic and nuclear systems. Prerequisites: PHY 113, 114.

421, 422. ADVANCED LABORATORY

1 s.h. each semester

Experiments in mechanics, thermal physics, electromagnetics, optics and atomic and nuclear physics designed to demonstrate physical phenomena, introduce research techniques and provide training in the careful measurements of physical quantities. Three laboratory hours per week. Senior physics majors only.

481. INTERNSHIP IN PHYSICS

1-3 s.h.

Political Science _____

*Chair, Department of Political
Science and Public Administration:*

Professor Taylor

Professors: Zarzar, C. Brumbaugh

Associate Professor: Anderson

Part-time Instructors: Agyeman-
Duah, Colbert, Craig

A major in Political Science requires Political Science 131, 232 or 211, 241 or 331, 352 or 353, 471; Social Science 285; Information Systems 116; Economics 201; History 211, 212; and 18 additional hours in Political Science.

A minor in Political Science requires Political Science 131, 232 or 211, 241 or 331, 352 or Social Science 285; and six additional hours in Political Science.

A minor in International Studies requires 21 semester hours of course work. The required core is 12 semester hours to be selected from Political Science 241, Geography 131, Sociology 212, one 300-400 level course in non-United States history and one course in foreign language of the 200 level or above. Electives include nine semester hours from two different disciplines. These electives are (a) foreign language at the 200 level or above, (b) study abroad experience (winter, semester, summer) or (c) courses at the junior/senior level whose emphasis is not United States and is 20th century in content.

131. INTRODUCTION TO AMERICAN GOVERNMENT

3 s.h.

A study of the structure and functioning of the national government, including its constitutional basis; the system of separation of powers, checks and balances, operation of the executive, legislative and judicial branches.

211. INTRODUCTION TO PUBLIC ADMINISTRATION

3 s.h.

(Same course as PA 211. See PA 211 for description.)

232. STATE AND LOCAL GOVERNMENT IN THE UNITED STATES

3 s.h.

A study of the structure and functioning of the state and local government and their roles within the federal system.

241. INTERNATIONAL RELATIONS

3 s.h.

A study of the basic factors which determine international politics and relations among the nations including the practice of diplomacy, the development of the nation-state system, international law and international cooperation and organization.

311. PUBLIC POLICY

3 s.h.

(Same course as PA 311. See PA 311 for description.)

331. COMPARATIVE POLITICS

3 s.h.

The internal politics of several political systems including Russia, the United Kingdom and selected Third World nations.

332. GOVERNMENT AND POLITICS OF THE MIDDLE EAST

3 s.h.

This course examines and emphasizes the political dynamics that affect and shape contemporary Middle Eastern political systems.

341. UNITED STATES FOREIGN POLICY TO 1939

3 s.h.

(Same as course HST 341. See HST 341 for description.)

342. UNITED STATES FOREIGN POLICY SINCE 1939

3 s.h.

A study of the foreign relations, foreign policy and international politics of the United States since 1939. Prerequisite: PS 131 or permission of instructor. (PS 342 is the same as HST 342.)

343. THE AMERICAN PRESIDENCY

3 s.h.

A study of the contemporary presidency, with emphasis on the organization of the office, its relationship with other structures in American politics and its role in the policy-making process.

352. POLITICAL THOUGHT

3 s.h.

A survey through the 19th century of the normative, empirical and ideological systems of thought as reflected in some of the world's great political thinkers. Attention is given to how these systems of thought contribute to contemporary politics and events. Prerequisite: Junior or senior standing or by permission of instructor.

353. MODERN POLITICAL THOUGHT

3 s.h.

A study and analysis of the major political concepts and ideas including the great issues of politics from the 19th century to the present day, using both behavioral and nonbehavioral methodological approaches. Prerequisite: Junior or senior standing, or permission of instructor.

354. POLITICAL SOCIALIZATION

3 s.h.

The study of the ways in which society transmits its political culture from generation to generation. Methods will include the use of computers to test models of the political socialization process.

356. DEMOCRACY AND TOTALITARIANISM

3 s.h.

An examination of the origins, development and characteristics of democratic and totalitarian ideas and institutions. Prerequisite: Junior or senior standing, or by permission of instructor.

357. ELECTORAL BEHAVIOR

3 s.h.

A study of the electoral process and an analysis of the determinants of voting behavior.

358. PARTIES AND INTEREST GROUPS

3 s.h.

A study of the development, organization, functions and problems of political parties, the role interest groups play in elections and the policy-making process.

362. TOPICS IN THIRD WORLD POLITICS

3 s.h.

Study of selected topics pertinent to Third World politics.

375. CONSTITUTIONAL LAW I

3 s.h.

This course focuses on American Constitutional Structures: Separation of Powers and Federalism. The primary teaching method will be the Case approach to explore these areas of Constitutional Law. Prerequisite: PS 131.

376. CONSTITUTIONAL LAW II

3 s.h.

This course focuses on individual rights which are guaranteed by the American Constitutional Structures: Civil Rights and Civil Liberties. The primary teaching method will be the Case approach. Prerequisite: PS 131.

420. WORKSHOP IN POLITICS

3 s.h.

Personal experience in the political system of the United States is gained through active participation in a political campaign. Each student is required to work as an intern for a candidate or political party of his own choosing. Regular seminars are held to exchange views and compare election and electioneering theory with the students' experience. Normally offered during the fall semester of election years.

441. WAR, PEACE AND CONFLICT RESOLUTION

3 s.h.

An examination of the various theories of war and peace. Particular attention is given to the causes of war and the various approaches to peace. Prerequisite: Junior or senior standing or permission of instructor.

471. SEMINAR: SPECIAL TOPICS

3 s.h.

481. INTERNSHIP IN POLITICAL SCIENCE

1-3 s.h.

Prerequisite: PS 131.

491. INDEPENDENT STUDY

1-3 s.h.

Psychology _____

Chair, Department of Psychology:

Professor Granowsky

Associate Professors: Higgs,
Pickens, Fromson, Pullium

Assistant Professors: McClearn,
Green

A major in psychology requires: Psychology 211; Mathematics 265 and Psychology 301, 461; plus 27 semester hours from Psychology courses and/or Human Services 431, 435.

A minor in Psychology requires Psychology 211, plus 18 semester hours selected from Psychology courses and/or Human Services 431, 435.

The psychology department offers a special track leading to graduation with distinction in the major. Students with an overall GPA of 3.0 or better and a GPA of 3.2 or better in the major at the end of their sophomore year are eligible. Interested students should consult the psychology department chair.

211. GENERAL PSYCHOLOGY

3 s.h.

An overview of the facts and principles of learning, motivation, personality, abnormal behavior, human development, biobehavioral relations and social interaction.

221. INTRODUCTION TO BIOPSYCHOLOGY

3 s.h.

This course explores the biological foundations of such aspects of behavior as

learning and memory, movement, sleep, eating and drinking and emotion as well as abnormal conditions such as schizophrenia and depressions. This course is intended for both majors and interested nonmajors.

233. DEVELOPMENTAL PSYCHOLOGY *3 s.h.*

This course explores the theories, principles and empirical study of human development. Emphasis is placed on exploring cognitive, physical, social and emotional development as the child grows from the preschool years through adolescence.

301. EXPERIMENTAL PSYCHOLOGY *4 s.h.*

An introduction to methods and techniques for conducting research in psychology. Goals include learning how to ask an answerable question, develop an experimental design, analyze data and report findings. Course includes a laboratory experience. Prerequisites: PSY 211, MTH 265.

305. APPLIED PSYCHOLOGY *3 s.h.*

This course provides an overview of several fields in which psychological principles and techniques are applied to human problems. These fields include health, industrial/organizational, consumer, clinical and school psychologies and psychology and law. Prerequisite: PSY 211.

313. HUMAN SEXUALITY *3 s.h.*

A comprehensive study of biological and cultural sexuality focused within both the cognitive and affective domains. Topics of study include male and female physiology, pregnancy, childbirth, sexually transmitted diseases, contraception, sex roles, intimate relationships, parenting and deviant sexual behavior. Prerequisite: PSY 211 or 233.

315. PSYCHOLOGY OF WOMEN *3 s.h.*

This course will explore the psychological aspects of the issues and events of the female experience.

321. EDUCATIONAL PSYCHOLOGY *3 s.h.*

Psychological principles involved in the process of teaching and learning, the nature of intelligence, motivation, individual differences and emotional influences; the evaluation of learning. Prerequisite: PSY 211 or 233.

323. SOCIAL PSYCHOLOGY *3 s.h.*

This course explores ways in which people influence one another's behavior and beliefs. Various theoretical and methodological issues will be presented, as will specific topics such as altruism, aggression, attitudes, attributions, conformity and persona perception. Prerequisite: PSY 211.

332. PSYCHOLOGY OF EXCEPTIONALITY *3 s.h.*

The study of the origins, symptoms and sequences of development of exceptional children who are emotionally, physically or mentally handicapped and those who are gifted and talented. Prerequisite: PSY 211 or 233.

333. ABNORMAL BEHAVIOR *3 s.h.*

An overview of behavioral pathology including a historical perspective of the treatment of individuals and discussion of the etiology, dynamics and modification of abnormal behavior. Prerequisite: PSY 211.

343. PERSONALITY *3 s.h.*

A survey of the major theories of personality, including psychoanalytic, social psychological, phenomenological, humanistic, cognitive, behavioral and biological theories. Prerequisite: PSY 211.

353. MOTIVATION AND EMOTION *3 s.h.*

An analysis of the biological, cognitive, and social bases of human motivation and emotion and their role in such areas of behavior as hunger, thirst, sex, sleep,

arousal, aggression, altruism, addiction, depression, achievement and creativity. Prerequisite: PSY 211.

361. ANIMAL BEHAVIOR

3 s.h.

This course will investigate the behavior of different types of animals, taking into account aspects of physiology, development, evolution and adaptation. Much emphasis will be placed on various specialized structures and abilities which may or may not be present in humans and that confer selective advantages upon their possessors. It is hoped that the student will gain an appreciation for the complexity and diversity of animal life, especially with respect to behavior. Prerequisite: Three courses in either psychology or biology.

362. CHEMISTRY AND BEHAVIOR

3 s.h.

This course will investigate the ways in which human behavior is affected by chemical processes. Initially, the fundamentals of brain chemistry (including the ability of brain cells to communicate with each other) will be presented. There will be discussion of the effects of various substances such as drugs (both licit and illicit), hormones, nutrients and pollutants on brain chemistry and the resulting alterations in perception, mood and behavior. Also to be covered are chemical abnormalities and treatments associated with various mental pathologies (for instance, schizophrenia and depression). Prerequisite: PSY 211 or BIO 111 or CHM 111.

363. INDUSTRIAL ORGANIZATION PSYCHOLOGY

3 s.h.

This course concerns the application of psychology to human behavior at work and in organizations. Topics will include personnel testing, selection and training; organizational communication, leadership and motivation and outcomes including work performance, absenteeism, turnover, job satisfaction and commitment. Prerequisite: PSY 211.

371-379. SPECIAL TOPICS IN PSYCHOLOGY

3 s.h.

These courses present a rotating series of special topics in psychology. Among the offerings are issues in gerontology, cross-cultural psychology, social cognition, topics in neuroscience, language development, developmental psychopathology, developmental biopsychology and cognitive development. Prerequisite: PSY 211.

411. PSYCHOLOGICAL MEASUREMENT

3 s.h.

A survey of the techniques, uses and importance of testing and measurement in the counseling and educational process. Particular emphasis is placed upon providing the student with experience in understanding and critically evaluating standardized tests. Prerequisites: PSY 211, plus nine additional semester hours in psychology.

421. ADVANCED STUDIES IN PERSONALITY

3 s.h.

An examination of the major theoretical approaches to personality. Emphasis will be concentrated on the underlying assumptions and theoretical concepts of these approaches. Prerequisites: PSY 211, 343, and six additional hours in psychology.

431. THEORIES OF LEARNING AND COGNITION

3 s.h.

An in-depth survey of the major theories of learning from the early connectionist theories to the more contemporary cognitivist theories. Prerequisites: PSY 211, plus nine additional semester hours in psychology.

461. SENIOR SEMINAR: ADVANCED EXPLORATIONS IN PSYCHOLOGY

3 s.h.

This capstone course in the major provides an in-depth analysis of the development and current status of the research base across the major domains of psychology. Students will conduct a major literature review of the

research in their chosen topic. As part of the course requirements students must take the ETS Major Field Achievement Test in Psychology and achieve a satisfactory score. Prerequisite: Senior psychology major.

462. SENIOR THESIS

3 s.h.

This course provides the advanced student the opportunity to complete an independent, original piece of empirical research in psychology. Students will meet to present and critique one another's ideas at each stage of the research process: topic development, selection of methods, analysis of data and discussion of findings. Students will present their final report in both standard written form and in an appropriate forum for oral presentation. Students may also assist in conducting the PSY 301 lab. Prerequisite: Senior psychology major or by permission of instructor.

463. SENSATION AND PERCEPTION

3 s.h.

This course will address topics concerning human and animal sensory/perceptual experience. Topics will include research methodology, theoretical issues, structural and functional characteristics of sensor/perceptual systems and several perceptual phenomenon ranging from depth and pain perception to color and pitch perception. Suggested preparation: PSY 221. Prerequisite: PSY 211 and junior or senior standing.

471. SPECIAL TOPICS

3 s.h.

481. INTERNSHIP IN PSYCHOLOGY

1-3 s.h.

This course provides the opportunity for the upper-level student to apply psychological theories and techniques to actual experiences in the field. Up to three semester hours of internship may be applied to meeting major requirements. Prerequisite: Majors only; faculty approval.

491. INDEPENDENT STUDY

1-3 s.h.

Public Administration

Chair, Department of Political Science and Public Administration:

Professor Taylor

Professor: C. Brumbaugh

A major in Public Administration requires Public Administration 211, 311, 431, 471; Political Science 131, 232, Social Science 285; Accounting 201; Economics 201 and Information Systems 116. Additional requirements are 12 semester hours chosen from the following: Public Administration courses; Communications 210; Economics 301, 313, 332; Business Administration 323 or 303; 425; Health, Physical Education and Leisure/Sport Management 327, 425; and Political Science 343, 420.

A minor in Public Administration requires Public Administration 211, 431; Social Science 285; Political Science 131 and Business Administration 323 or 303 and 425.

211. INTRODUCTION TO PUBLIC ADMINISTRATION

3 s.h.

A study of the basic principles of organization, location of authority, fiscal management, personnel management and forms of administrative action in the public service.

311. PUBLIC POLICY

3 s.h.

A study of policy making and the implementation of policies in government with emphasis on the role of the bureaucracy in this process.

351. PROBLEMS AND ISSUES IN PUBLIC ADMINISTRATION

3 s.h.

A study of major current problems and issues in public policy making and administration, including crime, energy, equality, ethics in government, inflation, poverty and protection of the environment. Prerequisite: PA 211.

431. POLICY ANALYSIS AND PROGRAM EVALUATION

3 s.h.

An examination of two aspects of the policy process for the decision maker: Policy Analysis, which precedes program implementation and attempts to influence decision-making and Program Evaluation, which is a method of determining the degree to which a program is meeting its objectives and the effects created by the program. Prerequisite: PA 211, SS 285.

471. SEMINAR: SPECIAL TOPICS

3 s.h.

Advanced topics selected to meet the needs of the students who have completed most of their study in Public Administration. Open to seniors majoring in Public Administration, Political Science or with permission of instructor.

481. INTERNSHIP IN PUBLIC ADMINISTRATION

1-6 s.h.

Prerequisites: PA 211 plus three semester hours in public administration or political science.

491. INDEPENDENT STUDY

1-3 s.h.

Religious Studies _____

Chair, Department of Religious Studies: Professor Chase
Professors: W. Rich, Pace
Associate Professors: Wilson, Pugh
Assistant Professors: McBride, Chakrabarti

A major in Religious Studies requires 39 hours; Religious Studies 111 or 112, 121, 131 or 141, 492; 21 semester hours of additional Religious Studies courses with at least 18 hours at the 300-400 level that includes a minimum of one upper level course in each of Old Testament, New Testament, Theological and/or Historical Studies, Ethical and/or Contemporary Studies, and Non-Western Religions; and six semester hours of a foreign language at the 111 level or above. Greek 111, 112 are recommended for all Religious Studies majors, and Greek 211, 212 may be substituted for Religious Studies courses with departmental approval.

A minor in Religious Studies requires 18 semester hours of Religious Studies courses, with at least nine of these semester hours taken in junior/senior level courses.

111. INTRODUCTION TO THE OLD TESTAMENT

3 s.h.

The history, literature and religion of the Hebrew people as viewed against the background of ancient Near Eastern culture.

112. INTRODUCTION TO THE NEW TESTAMENT

3 s.h.

The rise and development of Christianity and its literature.

121. WORLD RELIGIONS

3 s.h.

The origin, historical development and beliefs of selected religious traditions.

131. RELIGIOUS THINKING

3 s.h.

An introduction to the study of religion including religion and society and the diversity in religion.

141. RELIGIOUS VALUES AND DECISION-MAKING

3 s.h.

An introductory study of practical religious values, their relationship to the decision-making process and the dimensions of the decision-making process itself. Fundamental values of the Judeo-Christian tradition are explored.

181. RELIGIOUS VALUES INTERNSHIP

3 s.h.

An optional one semester hour internship may be offered on occasion in conjunction with Religious Values.

251. RELIGION STUDIES ABROAD

3 s.h.

Study/tours in England and the Middle East (Israel, Egypt and Jordan). Winter term only.

321. ARCHAEOLOGY OF THE ANCIENT NEAR EAST

3 s.h.

A survey of major archeological research as it relates to the Near East with particular emphasis on Egypt, Palestine and Mesopotamia. Prerequisite: Junior or senior status or permission of instructor.

322. OLD TESTAMENT PROPHETS

3 s.h.

A study of the background, personal characteristics, function, message and present significance of the Hebrew prophets. Prerequisite: Junior or senior status or permission of instructor.

323. WISDOM LITERATURE

3 s.h.

This course examines the nature, history and content of Old Testament Wisdom literature: Proverbs, Job, Ecclesiastes

and some Psalms. Current views of Old Testament scholars are also examined. Prerequisite: Junior or senior status or permission of instructor.

326. THE WRITINGS OF PAUL

3 s.h.

An analysis of major motifs of Paul's theology by means of an interpretation of his New Testament writings. Prerequisite: Junior or senior status or permission of instructor.

327. THE GOSPEL OF JOHN

3 s.h.

A study of the key motifs in the theology of the Gospel of John. Special emphasis on the sources, the various stages of composition and the literary and rhetorical characteristics. Prerequisite: Junior or senior status or permission of instructor.

328. THE SYNOPTIC GOSPELS

3 s.h.

A study of the origin, composition, form, content and theological perspective of Mark, Matthew and Luke. Prerequisite: Junior or senior status or permission of instructor.

334. MODERN RELIGIOUS THINKERS

3 s.h.

An examination of the theologies of selected major thinkers in the Judeo-Christian tradition. Prerequisite: Junior or senior status or permission of instructor.

336. LIFE AND THOUGHT OF THE CHRISTIAN CHURCH

3 s.h.

This course examines the influence of Christianity in a sociocultural and theological perspective. From its Jewish antecedents to the present day, church personalities, controversies and decisions will be examined. Prerequisite: Junior or senior status or permission of instructor.

338. TYPES OF THEOLOGY

3 s.h.

Beginning with background in historical theology, the class will study different theological perspectives and developments

of the modern world. Prerequisite: Junior or senior status or permission of instructor.

341. CHRISTIAN ETHICS

3 s.h.

A systematic and biblically based study of the types and principles of Christian ethical theory with special attention to the analysis of selected personal and social ethical issues. Prerequisite: Junior or senior status or permission of instructor.

345. THEOLOGY OF HUMAN LIBERATION

3 s.h.

Analysis of contemporary types of liberation theology such as Third World liberation, Black liberation, women's liberation through a study of significant representative writings. Prerequisite: Junior or senior status or permission of instructor.

347. WOMEN AND RELIGION

3 s.h.

A consideration of both the impact which religion past and present has had on women in home, church and society and the impact which women past and present have had on religion, religious thinking and religious institutions. Prerequisite: Junior or senior status or permission of instructor.

353. BUDDHIST TRADITION

3 s.h.

This course aims at giving students a critical understanding of the basic concepts and doctrines of Buddhism. The similarities and contrasts between different major schools of Buddhism will also be considered. Prerequisite: Junior or senior status or permission of instructor.

354. CHINESE RELIGIONS

3 s.h.

This course aims at a critical analysis of Confucianism, Taoism, and Buddhism. Such topics as shamanism, immortality of body versus soul, Zen, the humanism of Confucius,

and Mencius and his thought will be considered. Prerequisite: Junior or senior status or permission of instructor.

355. PHILOSOPHY OF RELIGION

3 s.h.

(Same course as PHL 355. See PHL 355 for description.)

365. LITERATURE AND THEOLOGY

3 s.h.

(Same course as ENG 365. See ENG 365 for description.)

471. SEMINAR: SPECIAL TOPICS

1-3 s.h.

481. INTERNSHIP IN RELIGIOUS STUDIES

1-3 s.h.

This course provides the opportunity for the upper-level student to apply concepts and information gained in the religious studies classroom to actual experiences in local community and church agencies. Up to three semester hours of internship may be applied to meeting major requirements. Prerequisite: Junior or senior status, religious studies majors only, faculty approval.

491. INDEPENDENT STUDY

1-3 s.h.

Individual study of some area of special interest under the guidance of a member of the department. Open only to religion majors or minors who have junior or senior standing or by permission of instructor. Maximum of six semester hours per student.

492. SENIOR SEMINAR

3 s.h.

Science Education _____

Coordinator: Associate Professor Agnew

In addition to the Education and Psychology courses required of all Secondary Education majors, a major in Science Education requires the completion of one of the certification areas described below.

Secondary Science Comprehensive Certification

Completion of all courses from one of the areas of Biology, Chemistry, or Physics listed below, plus eight semester hours from each of the other two listed areas, Mathematics 111, Geography 121, Physics 102, 103, 104, 108, and Computer Science 220.

Biology

111, 113, 221, 222, 322, 345, 452 and a four-semester-hour lab course at the 200 level or above.

Chemistry

111, 112, 113, 114, 221 321, 322 323, 324, 411

Physics

113, 114, 115, 116, 213, 214, 215 and 9 semester hours elected from 300-400 level courses. (Physics 111 or 112 may be elected to satisfy eight semester hours for Biology or Chemistry)

Secondary Science Certification

Completion of all courses from one of the areas of Biology, Chemistry or Physics listed below, plus 12 semester hours from one of the other two listed areas, Mathematics 111 (also Math 121 and 221 for Physics option), Geography 121, Physics 102, 103, 104, 108 and Computer Science 220.

Biology

111, 113, 221, 222, 322, 345, 452, and a four-semester-hour lab course at the 200 level or above.

Chemistry

111, 112, 113, 114, 221, 321, 322, 323, 324, 411

Physics

113, 114, 115, 116, 213, 214, 215, and nine semester hours elected from 300-400 level courses

Recommended electives for the Science Education major include Mathematics 121 and 265. Secondary Science endorsement requires 18 semester hours from one of the areas of Biology, Chemistry, or Physics.

Social Science _____

Chair, Department of Sociology: Professor T. Henricks

A major in Social Science requires Economics 201; Geography 121, 131; History 111, 112; Political Science 131, 241; Psychology 211; Sociology 111, 112; Social Science

285; Mathematics 265; plus 18 semester hours (12 from 300-400 level) in one of the following areas (concentrations): Geography, History, Political Science, Public Administration, Psychology, Sociology and Economics. Specific concentration course requirements may be stipulated.

In addition to the Education and Psychology courses required by all secondary majors, a major in Social Science receiving teacher certification must complete Economics 201; Geography 131 and 311 or 321; History 111, 112, 211, 212; Political Science 131, 241; Psychology 211; Sociology 111, 112; Social Science 285; Mathematics 265; plus 18 semester hours at the 300-400 level from three of the following areas: Geography, History, Political Science, Public Administration, Psychology and Sociology.

285. RESEARCH METHODS

3 s.h.

Examines basic scientific methods including problems of definition, concept formation, hypothesis testing, explanation and prediction. Included is a critical analysis of research problems which are susceptible to the use of quantitative data.

Sociology

Chair, Department of Sociology:

Professor T. Henricks

Associate Professors: Basirico,

Arcaro, Bolin

Assistant Professors: Curry

A major in Sociology requires Sociology 111, 115, 211 or 231,

261, 112 or 212, 461 or 462, 485 plus 12 semester hours of additional Sociology courses; Information Systems 116, Mathematics 265; Social Science 285.

A minor in Sociology requires Sociology 111, 115, 211 or 231, plus nine semester hours selected from Sociology courses.

A minor in Anthropology requires Sociology 112, 212, plus 12 semester hours selected from Sociology 320-329, 345, English 312 and History 335.

111. INTRODUCTORY SOCIOLOGY

3 s.h.

An introduction to the basic theoretical principles and research methods distinctive of modern sociology. Among the issues considered are the relationship between culture, personality and society, the fundamental forms of social structure, social institutions, such as religion and the family and basic social processes such as deviance and social change.

112. ANTHROPOLOGY

3 s.h.

An exploration of the meaning of human nature as this has developed over time and is given expression in human societies. Emphasis is placed on the physical evolution of the human species, on methods used to study both physical and social evolution and on the nature and development of human language.

115. SOCIOLOGICAL INQUIRY

3 s.h.

An introduction to the ways in which sociologists inquire about society. Students will use sociological perspectives and theories to frame researchable questions and discuss ways of collecting and analyzing information. Two special emphases of the course will be techniques of library research and basic fieldwork procedures. Prerequisite: SOC 111.

211. SOCIAL PROBLEMS

3 s.h.

An examination of various public issues which attempts to dispel persistent fallacies regarding these issues and to provide a distinctively sociological framework for such investigations. Course focuses on causes, consequences and treatment of such problems as poverty, crime, discrimination, mental disorders, drug abuse, violence and population pressures. Prerequisite: SOC 111.

212. CULTURAL ANTHROPOLOGY

3 s.h.

An analysis of the organization of primitive and traditional societies. Focusing on the concept of "culture," the course describes the theories and methods used by anthropologists studying primitive peoples. Prerequisite: SOC 111 or 112.

231. AMERICAN SOCIETY

3 s.h.

An application of the sociological perspective to major themes in American society. Emphases will include American values and beliefs, patterns and problems of central social institutions and the connection between public and private life. Prerequisite: SOC 111.

261. SOCIOLOGICAL THEORY

3 s.h.

An exploration of conceptualization and model building in the development of modern sociology. In considering the historical emergence of different sociological traditions or perspectives, the course will concentrate on the underlying assumptions, historical and intellectual background and logical consequences of these positions. Prerequisite: SOC 111.

311. THE FAMILY

3 s.h.

An investigation of the family as an institution in societies. Focus is upon both the development of and current patterns of the American family. Specific topics include social class differences, racial and ethnic variations, premarital patterns, marital

interaction, family problems and the future prospects for the family. Prerequisite: SOC 111.

313. CRIME AND DELINQUENCY

3 s.h.

An analysis of juvenile delinquency and adult crime as categories of social behavior. Particular attention is given to the social organization of criminals and to an analysis of the criminal and juvenile justice systems. Prerequisite: SOC 111.

320-321. SPECIAL TOPICS IN ANTHROPOLOGY

3 s.h.

A series of courses reflecting new departments and contributions in anthropology. Prerequisites to be determined by instructor.

322. ETHNOGRAPHY

3 s.h.

A study of the methods anthropologists use to gain access, develop rapport, collect and analyze data and interpret findings when studying human cultures. In addition, students will read ethnographies of gatherers and hunters, horticulturists, agriculturalists, peasants and herders. Prerequisite: SOC 111 or 112 or permission of instructor.

323. PSYCHOLOGICAL ANTHROPOLOGY

3 s.h.

An exploration of both old and new directions in psychological anthropology. Course will focus on the cross-cultural study of personality including a critical review of the configurational, modal and national character schools. New approaches include studies in symbolic interactionism, stigma and altered states of consciousness. Prerequisite: SOC 111 or 112 or permission of instructor.

324. ANTHROPOLOGY OF SEX

3 s.h.

A study of human sexuality from a bio-cultural perspective. Course will explore the physiology of human sexuality as well as the cross-cultural context of sexual expression.

Themes will include alternative sexual lifestyles, sexual dysfunctions, the symbolic dimensions of sexuality and AIDS. Prerequisite: SOC 111 or 112 or permission of instructor.

325. CULTURE AND HEALTH

3 s.h.

An examination of the biocultural basis of health and illness from the prehistorical past to the present. Topics include the cultural implication of food and food habits, health care practices, the sick role, selected emotional disorders and folklore regarding health. Prerequisite: SOC 111 or 112 or permission of instructor.

326. CULTURE OF THE CORPORATION

3 s.h.

A study of culture as it is found in complex organizations, specifically corporations. The organization of work in corporate settings is compared to the work experience in a variety of societies. Emphases include motivation, innovation, performance, role definition and relationship to other spheres of life. Prerequisite: SOC 111 or 112 or permission of instructor.

331. THE SELF AND SOCIETY

3 s.h.

An examination of the ways in which individuals are influenced by their social interaction with others in society. Particular attention is given to the interaction processes in which individuals are socialized and develop an identity and how individuals' identities enter into their interactions. The nature of interpersonal control is discussed. The sociological perspectives of symbolic interactionism and dramaturgy are explored in depth. Prerequisite: SOC 111.

333. SOCIAL STRATIFICATION

3 s.h.

A study of social differentiation, particularly those differences which result in the ranking systems of power, wealth and prestige. The course concentrates on the different positions individuals and groups hold, their corresponding rights and responsibilities,

and how those roles influence social action. Emphasis is placed upon institutionalized social inequality within the United States. Prerequisite: SOC 111.

341. ETHNIC AND RACE RELATIONS

3 s.h.

An analysis of the meaning of minority group status in modern societies both in general terms and also with regard to the more specific problems and prospects featured in the development of various individual groups in American society. Emphasis is placed on the nature of prejudice and discrimination and strategies toward social equality. Prerequisite: SOC 111.

343. SOCIAL AND CULTURAL CHANGE

3 s.h.

An analysis of social and cultural change in modern societies. Emphasis is given to the various sociological approaches to the study of social change as well as the causes, consequences and responses to change. Of particular concern is the process of modernization. Prerequisite: SOC 111.

344. SOCIAL DEVIANCE

3 s.h.

An analysis of processes of norm violation by individuals or groups in society. Emphasis is placed upon the psychological, cultural and social factors that contribute to deviance in such areas as mental health, alcohol and drug dependence, sexual expression and acts of violence. Prerequisite: SOC 111.

345. SOCIOLOGICAL PERSPECTIVES ON WOMEN & MEN

3 s.h.

Sociological perspectives, theories, and concepts are used to critically analyze the social meaning of being female and male in American society. Emphasis is placed on analyzing the inequities based upon gender, particularly the problems faced by women. Prerequisite: SOC 111.

461-462. READINGS IN SOCIOLOGY AND ANTHROPOLOGY

3 s.h.

A colloquium considering significant primary readings in sociology and anthropology. Course will explore specific substantive topics, key theoretical issues and new developments in the discipline. Prerequisites: Junior or senior standing, SOC 111 or 112, or permission of instructor.

471. SEMINAR: SPECIAL TOPICS

1-3 s.h.

481. INTERNSHIP IN SOCIOLOGY

1-3 s.h.

Limited to three semester hours credit applicable to Sociology major or minor. Prerequisite: Department permission.

485. SENIOR SEMINAR IN SOCIOLOGY

3 s.h.

A capstone experience for sociology majors during their final year of college work. Students will participate in a review and creative synthesis of central themes of the discipline as well as in an evaluation of their sociological skills/knowledge and personal objectives. In addition, each student will develop and present formally a work of original scholarship. Prerequisite: Senior standing as sociology major or permission of instructor.

491. INDEPENDENT STUDY

1-3 s.h.

Sports Medicine

The Sports Medicine program is listed under Health, Physical Education and Leisure program.

Theatre Arts

Chair, Department of Fine Arts:

Professor Myers

Assistant Professors: Drtina,

Rubeck, McNeela

A major in Theatre Arts is required to complete the following: Theatre Art 101, 211, 220, 301, 302, 311, 330, 495, plus six semester hours selected from Dramatic Literature in English and nine additional semester hours selected from 300-400 level theatre courses, music theatre courses or dramatic literature in English courses.

A minor in Theatre Arts requires Theatre Arts 101, 211, 220; three semester hours from Theatre Arts 210; and two courses (six semester hours) selected from Theatre Arts courses at the 300-400 level.

101. INTRODUCTION TO THEATRE

3 s.h.

An exploration of the theatre as a dynamic art form and how the author, director, actor and designer work together to create the final project.

204. THEATRE ENSEMBLE

3 s.h.

This course offers students credit for participation in the departmental theatre productions. This course cannot be taken simultaneously with Theatre Workshop. Admission is by audition only. This course may be repeated.

210. THEATRE WORKSHOP

1-3 s.h.

A practicum in all aspects of theatre production. Students must arrange a learning contract with the instructor at the beginning of each term.

211. STAGECRAFT

3 s.h.

The basic theory and practice of set construction, including drafting skills and the basic elements of design. A weekly lab is required.

220. FUNDAMENTALS OF ACTING

3 s.h.

Designed to teach students to express themselves freely in the theatre environment. Objectives are to achieve a comprehension of the nature and the meaning of the dramatic experience, and the sense of the operative theatre.

301. THEATRE HISTORY I

3 s.h.

This course will examine in depth the history of theatre from its origins to the 19th century. Students will gain a solid understanding of its major development, periods and conventions during this time period.

302. THEATRE HISTORY II

3 s.h.

This course will examine in depth the history of theatre from the 18th century to present day. Students will gain a solid understanding of its major development, periods and conventions during this time period.

310. ADVANCED PROJECTS IN THEATRE

1-3 s.h.

An advanced practicum in theatre for those students who have significant experience in theatre production through course work or participation in department productions. Students must have permission of instructor.

311. THEATRE DESIGN

3 s.h.

This course will examine through theory and practice the nature, function and responsibilities of designers in the theatre.

312. LIGHTING DESIGN

3 s.h.

The theory and practice of the aesthetics of stage lighting design and the process of lighting the stage space.

320. INTERMEDIATE ACTING

3 s.h.

An exploration of the various techniques of analysis, rehearsal and performance with particular emphasis upon scene study.

330. FUNDAMENTALS OF DIRECTING

3 s.h.

A study of the work of the theatrical director. With script analysis as the cornerstone of the decision-making process, student will follow the sequence required to produce a play. Prerequisite: TH 210, 220 or permission of instructor.

495. SENIOR SEMINAR

3 s.h.

A capstone course for the Theatre Arts majors.

Women's Studies _____

Coordinator: Professor Smith

A minor in Women's Studies requires 18 hours chosen from the courses listed below, including a senior seminar at the 400 level. Other courses cross-listed with disciplines will be offered from time to time, with a suffix "WS" indicating that they may be used to fulfill the Women's Studies requirements.

211. INTRODUCTION TO WOMEN'S STUDIES

3 s.h.

A survey of some of the major issues affecting women today, such as theories of sex difference, social role expectations, historical precedents for women's current status, and feminist critique of the tradition.

371-379. TOPICS IN WOMEN'S STUDIES

3 s.h.

ECO 317. THE ECONOMICS OF WOMEN

3 s.h.

(See ECO 317 for description.)

ENG 333. FEMINIST APPROACHES TO LITERATURE

3 s.h.

(See ENG 333 for description.)

HST 347. HISTORY OF WOMEN IN THE UNITED STATES

3 s.h.

(See HST 347 for description.)

PHL 345. PHILOSOPHICAL PERSPECTIVES IN FEMINISM

3 s.h.

(See PHL 345 for description.)

PSY 313. HUMAN SEXUALITY

3 s.h.

(See PSY 313 for description)

PSY 315. PSYCHOLOGY OF WOMEN

3 s.h.

(See PSY 315 for description.)

REL 347. WOMEN AND RELIGION

3 s.h.

(See REL 347 for description.)

SOC 324. ANTHROPOLOGY OF SEX

3 s.h.

(See SOC 324 for description.)

SOC 345. SOCIOLOGICAL PERSPECTIVES ON WOMEN AND MEN

3 s.h.

(See SOC 345 for description.)

471-479. SENIOR SEMINARS ON VARIOUS TOPICS

481. INTERNSHIP IN WOMEN'S STUDIES

1-3 s.h.

Work experience in an agency meeting the needs of women. Prerequisite: Two Women's Studies courses and permission of coordinator.

495. SEMINAR: FEMINIST STUDIES

3 s.h.

Seminar in contemporary feminist theory. Students will pursue independent research on historical and contemporary social, political and literary topics using a feminist perspective and the resources of scholarship in the disciplines. Prerequisites: Senior standing and three courses in Women's Studies.

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**Samuel E. Scott, M.D., Burlington,
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**Rev. W. Millard Stevens, D.D., Burlington,
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Terms Expiring May 31, 1996

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Jimmie D. Agnew, 1985

Associate Professor of Science Education

B.A., George Washington University; M.S.S.T., Ph.D., The American University

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B.S., M.S., Ph.D., Aligarh Muslim University, Aligarh, India.

Mark R. Albertson, 1980

Assistant Professor; Registrar
B.B.A., Fort Lauderdale University

J. Wesley Alexander, 1961

Associate Professor of Mathematics

B.S., M.A., Appalachian State University; M.S., New Mexico State University

Robert G. Anderson Jr., 1984

Associate Professor of Political Science; Assistant to the President

B.A., St. Andrews Presbyterian College; M.A., Ph.D., candidate, The American University

Andrew J. Angyal, 1976

Professor of English

B.A., Queens College, CUNY; M.A., Yale University; Ph.D., Duke University

Thomas E. Arcaro, 1985

Associate Professor of Sociology
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Part-time Professor of Music

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Martin H. Baker, 1980

Assistant Professor of Physical Education and Health; Athletic Trainer

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B.S., Wofford College; M.Math., University of Tennessee; Graduate Studies, University of Georgia

James L. Barbour, 1990

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A.B., High Point College; M.Ed., University of North Carolina at Greensboro

Laurence A. Basirico, 1983

Associate Professor of Sociology

B.A., Hofstra University; M.A., Ph.D., SUNY-Stony Brook

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Assistant Professor of Philosophy

B.A., Texas Tech University; M.A., Ph.D., University of Nebraska

Kevin C. Batten, 1991

Assistant Professor of Military Science

B.S., University of Vermont

Robert C. Baxter, 1959

Associate Professor of Business Law; College Attorney
A.B., Elon College; J.D., Duke University

Judith L. Beall, 1991

Instructor in History
B.A., M.A., University of California at Berkeley

Glenda W. Beamon, 1989

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Barry B. Beedle, 1978

Associate Professor of Health, Physical Education and Leisure/Sport Management
B.S., M.S., Mississippi State University; Ed.D., University of Mississippi

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Part-time Instructor in Music
B.A., University of South Carolina at Conway

Richard H. Behrman, 1987

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Instructor in Foreign Languages
First Certificate in English, Technical College, London; University Degree in English, Spanish, Economics, Law and Business; Masters in Applied Languages, Faculte des Lettres, Aix-en-Provence

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Associate Professor of English; Director of Academic Advising
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Robert G. Blake, 1968

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B.A., Wake Forest University; M.A., University of North Carolina; Ph.D., University of North Carolina at Greensboro

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B.A., University of Idaho; M.A., University of Denver; Ph.D., Syracuse University

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Kevin B. Boyle, 1992

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*Assistant Professor; Associate
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Carole F. Chase, 1976

*Professor of Religious Studies;
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M. Jeffrey Colbert, 1990

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David M. Crowe Jr., 1977

*Professor of History; Chair,
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Bernard J. Curry, 1991

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B.S.N., Valparaiso University;
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-
- J. Earl Danieleley, 1946**
Thomas E. Powell Jr. Professor of Chemistry; Director of Planned Giving
A.B., Elon College; M.A., Ph.D., University of North Carolina; Postdoctoral Study, John Hopkins University; Sc.D., Catawba College; LL.D., Campbell University
- Deborah Davidson, 1992**
Assistant Professor of Biology
B.A., M.S., Towson State University; Ph.D., Virginia Polytechnic Institute and State University
- Robert W. Delp, 1968**
Part-time Professor of History
B.S., Davidson College; B.D., Lancaster Theological Seminary; M.A., Ph.D., George Washington University; Duke University
- Brian Digre, 1990**
Assistant Professor of History
B.A., University of California, Berkeley; M.A., Ph.D., George Washington University
- Gerald F. Dillashaw, 1992**
Professor of Education; Dean of Division of Education, Health, Physical Education and Leisure/Sport Management; Chair, Department of Education
B.S., Furman University; M.A.T., Converse College; Ed.D., University of Georgia
- Jon A. Drtina, 1988**
Assistant Professor of Fine Arts
B.A., Allentown College of St. Francis De Sales; M.F.A., University of Southern Mississippi
- James P. Drummond, 1987**
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- Vivian M. Dula, 1986**
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- Cynthia A. Dyer, 1990**
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B.S., Western Carolina University; M.A.T., Winthrop College
- Alan D. Eastman, 1989**
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- Natalie A. Edmund, 1992**
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B.A., Graduate Studies, University of North Carolina at Chapel Hill
- Thomas R. Erdmann, 1989**
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- Diana Ewell, 1991**
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Gerald L. Francis, 1974

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dent and Dean of Academic Affairs
B.S., M.A., Appalachian State
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 B.A., Illinois Wesleyan University; M.A.L.S., University of Iowa

Robert Burns King, 1981
Part-time Instructor in Organ; College Organist
 B.A., Furman University; M.S.M., Union Seminary in New York; Graduate Studies, University of North Carolina; Study with Michael Schneider, Hochschule fur Musik, Cologne, Germany, Prix de Virtuosite, Schola Cantorum, Paris

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Ronald A. Klepcyk, 1978
Assistant Professor; Dean of Student Affairs
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Karen Kucharski, 1991
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Sharon LaRocco, 1989
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 B.A., North Carolina School of the Arts

Kathryn H. Larson, 1987
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 B.S., University of Wisconsin; M.A., Columbia University; Ph.D. candidate, Iowa State University

Susan E. Leonard, 1988
Assistant Professor in Health, Physical Education and Leisure/Sport Management; Women's Volleyball and Softball Coach
 B.S., M.S.Ed., James Madison University

Teresa LePors, 1981
Assistant Professor; Public Services/Reference Librarian
 B.A., M.S.L.S., University of North Carolina at Chapel Hill

Gregory A. Lilly, 1990
Assistant Professor of Economics
 B.A., Washington and Lee University; Ph.D., Duke University

* Year of first appointment.

Malynn Elizabeth Linton, 1988

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Circulation Librarian*

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Carolina at Greensboro

William G. Long, 1974

*Associate Professor of Political
Science*

B.A., M.A., West Virginia Univer-
sity; M.Div., Yale University
Divinity School

Yoram Lubling, 1991

Assistant Professor in Philosophy

B.A., Long Island University;
M.A., New York University; M.A.,
Ph.D., University of Nebraska at
Lincoln

Ernest J. Lunsford, 1981

*Associate Professor of Spanish;
Chair, Department of Foreign
Languages*

B.A., Duke University; M.A.,
Middlebury College; Ph.D.,
University of Florida

Deirdre M. Lutz, 1992

Part-time Instructor in History

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University of North Carolina at
Greensboro

Kathy J. Lyday-Lee, 1982

*Associate Professor of English;
Director of Academic Honors
Program*

B.A., M.A., Tennessee Technologi-
cal University; Ph.D., University
of Tennessee

Helen H. Mackay, 1976

Assistant Professor of English

B.A., M.A., Ph.D., University of
North Carolina at Greensboro

Jan A. Maher, 1992

Part-time Instructor in Fine Arts
B.F.A., M.F.A., University of
North Carolina at Greensboro

Betty J. Maness, 1976

*Assistant Professor of Education
and English*

A.B., M.Ed., University of North
Carolina at Greensboro; Doctoral
Studies, University of North
Carolina at Chapel Hill

Thomas K. Manning, 1987

*Part-time Instructor in Business
Administration*

B.S., Ohio State University;
M.B.A., University of North
Carolina at Chapel Hill

Richard W. McBride, 1984

*Assistant Professor of Religion;
College Chaplain*

B.S.Ed., University of Virginia;
M.Div., Union Theological
Seminary, New York; Th.M., Duke
University

Duane G. McClearn, 1986

Assistant Professor of Psychology

B.A., M.A., Ph.D., University of
Colorado

Robie W. McClellan, 1980

*Associate Professor of Business
Administration*

B.A., University of North Carolina;
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Carolina at Greensboro

Calvert C. McGregor, 1990

Associate Professor of Accounting
B.S., M.A., University of South
Carolina; Ph.D., Virginia Polytech-
nic Institute and State University

Terri L. McKnight, 1991

Instructor in Mathematics

B.S., M.A., Appalachian State
University

Catherine McNeela, 1990

Assistant Professor of Fine Arts
B.M., M.M., University of
Michigan

Robin A. Meche, 1992

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B.A. Louisiana State University;
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Buckner F. Melton, 1991

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Carol K. Melton, 1991

*Part-time Assistant Professor of
History*
B.A., Guilford College; M.A., Wake
Forest University; Ph.D., Duke
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Jeffrey L. Merron, 1992

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Journalism/Communications*
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Jon Metzger, 1990

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Nancy S. Midgett, 1986

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Betty N. Morgan, 1992

*Part-time Instructor in Political
Science*
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Virginia Polytechnic Institute and
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Sport Management; Golf Coach;
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A.B., Elon College; M.A.,
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James L. Murphy, 1984

*Assistant Professor of Mathemat-
ics and Computing Sciences*
B.S., Campbell College; M.S.,
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Clair F. Myers, 1988

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B.A., Ohio Northern University;
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